AUTHOR INDEX

A

Aaes-Jorgensen, E., 343 Aanderud, S., 219 Aaron, J. E., 475, 477, 483 Aarskog, D., 236 Abadi, P., 480 Abbott, W. M., 73 Abboud, C. F., 478, 503, 504 Abe, E., 507, 508 Abel, R. M., 73 Abels, J., 394 Abelson, J., 286 Abeyasekera, G., 478 Abraham, S., 478, 479, 552 Abumrad, N. A., 423, 425 Abumrad, N. N., 85, 421, 423, 425, 434, 437, 438 Accum. F., 5 Ackroyd, H., 141 Adair, S. M., 116, 118, 121 Adam, D. J. D., 463 Adamec, R. E., 525 Adam-Mayne, M. E., 478 Adams, J., 477 Adams, J. S., 496 Adams, K. G., 496 Adams, M., 380, 382 Adams, N. D., 485 Adams, P. C. G., 192, 198, 199 Adams, P. W., 464 Adamson, I., 144 Adibi, S. A., 410, 416, 417, 428, 431, 432, 434, 435 Adler, S., 82 Adlof, R. O., 343, 345, 349, Admirand, W. H., 76 Adolph, E. S., 528 Adron, J. W., 552 Aebi, H., 44, 49 Aersoe, H., 103 Aftergood, L., 343, 346, 348 Aftring, R. P., 415, 416, 430, 432, 435 Agarwal, S. K., 198 Aggeler, P. M., 310, 317, 323 Aguilar, J. R., 193, 199 Aguirre, A., 145 Aguirre, G. D., 541 Aguirre, M., 121 Aguirre, R., 30

Agus, Z. S., 82

Ahmad, B., 545

Ahmed, K., 174

Aiken, T. D., 544

Ahrens, E. H. Jr., 342

Ahluwalia, G. S., 394, 395

Akers, R. M., 46 Akesson, B., 342 Aki, K., 411, 412, 428, 429 Al-Abdaly, F., 501, 504 Al-Alousi, W., 116 Al-Tai, A. H., 531 Alam, S. Q., 162-64 Alamgir, S. M., 194 Albanese, A. A., 478, 479 Alberti, G. M. M., 418, 435 Alberto, R., 245 Alberts, A. W., 285 Alemu, A. Z., 186 Alevizaki, C. C., 476 Alexander, J. C., 346, 354, 366 Alexander, J. P., 85 Alexander, M., 310 Alfin-Slater, R. B., 343, 346, Alfrey, A. C., 60, 83 Allan, V., 308, 322 Allardyce, B. D., 77 Allen, B. A., 392 Allen, E. R., 431 Allen, H. K., 138 Allen, K. G. D., 170 Allen, L. H., 50, 82, 478, 479, 482 Alletto, J. S., 391 Allison, J. B., 530, 533, 534 Allon, W., 25 Almqvist, S., 477 Aloia, J. F., 476, 483 Alper, C., 220 Alpers, D. H., 507 Alsher, R. P., 320 Alton-Mackey, M. G., 464 Alvestrand, A., 433, 434 Amelotti, J. M., 308, 309, 320 Amen, R. J., 410, 433, 435 Ament, M. E., 60, 77, 82-84, 90 Ames, B. N., 212 Amin, P. M., 431 Anand, B. K., 526 Anand, C. R., 390, 482 Anders, M. W., 223 Andersen, A. E., 160 Anderson, A. S., 241 Anderson, B. B., 460, 542 Anderson, B. C., 549, 551, 552 Anderson, C. R., 150 Anderson, D. C., 507 Anderson, E. G., 144, 146 Anderson, G. D., 478 Anderson, G. H., 69, 70, 84, 411 Anderson, H. L., 141-44, 434

Anderson, J. A., 234, 239, 477, 483 Anderson, J. W., 262 Anderson, K. E., 219-23 Anderson, P. A., 144, 524, 533-35, 541, 542, 547 Anderson, R. A., 85 Anderson, R. E., 391 Anderson, R. L., 345, 360, 364, 367 Anderson, R. S., 524, 528, 544 Anderson, S. A., 25, 392 Andersson, B., 217 Andersson, R., 121, 125, 128 Andres, R., 82, 389 Andrews, R. K., 29, 30 Andrist, A. H., 380 Andrus, S. B., 545, 547 Angelides, A. G., 147 Angmar-Mansson, B., 125 Anke, M., 23, 25, 27 Annison, E. F., 362 Anrique, R., 111 Ansell, J. E., 323 Anton, D. L., 305 Anuvatanakulchai, M., 395 Aoki, T. T., 421 Appledorf, H., 392 Applewhite, T. H., 340, 350, 351 Aprille, J. R., 148 Arata, D. A., 348, 349, 354 Araujo, P. E., 392 Araujo, R. L., 200 Archer, M. C., 392 Arend, R. A., 388, 390, 464 Arienti, G., 386 Arima, H., 381 Aristarkova, S. A., 321 Arita, T., 385 Arito, T., 162, 163 Armbrecht, H. J., 500-2, 504 Armsby, H. P., 101-3, 105 Armstrong, D. G., 107 Armstrong, M., 139 Armstrong, W. D., 26, 118, 120, 123 Amaud, C. D., 476, 507 Amaud, J., 5 Amaud, S. B., 476 Amold, A., 524, 534 Amold, B. M., 507 Arnold, F. A. Jr., 122 Amold, G. W., 112 Arnott, M. S., 272

Arroyave, G., 193, 197-99 Arskinoff, S. A., 138, 149 Asano, Y., 128 Asch. M. J., 90 Aschoff, J., 524 Asciutti, L. S., 193 Ashby, M. A., 476, 477 Asher, C. J., 28, 30 Ashida, K., 143 Ashley, D. V. M., 411 Askanazi, J., 433, 434 Asplund, J. M., 142, 144 Atamian, S., 85 Athanasiou, V. N., 60 ATKINS, F. M., 233-55 Augus, H. M., 121 Aust, S. D., 208, 215, 216, 222 Austic, R. E., 171, 436, 438-41 AVIOLI, L. V., 471-91; 472. 476, 478-80, 500, 501, 504, 507 Avioli, R. C., 498 Avizonis, P. V., 524, 540 Aw, T. Y., 216, 224 Awad, A. B., 351, 352 Awasthi, Y. C., 267 Awdry, P. N., 192, 198, 199 Axelsson, K., 266 Ayres, P., 310 Azerad, R., 302, 305

B

Babicky, A., 263 Babulak, S. W., 117 Bacci, E., 273 Bachur, N. R., 212 Backer-Dirks, O., 117, 119 Bacon, B. R., 221 Bacq, Z. M., 529 Badawy, A.-B., 166, 167 Badger, T. M., 142, 144 Bailey, J. M., 268, 272 Bailey, L. B., 392, 464 Baille, E. E., 85 Baillie, H., 184 Baillies, N. T., 380, 382 Baker, D. H., 48, 138, 141, 143-45, 149, 150, 174, 524, 533-35, 539, 541, 542, 547 Baker, H., 87 Baker, M. R., 477 Baker, S. S., 85 Bakke, O. M., 219, 394 Bakkeren, J. A. J. M., 149 Baklien, K., 237 Baksi, S. N., 501, 502, 504 Baldino, A. R., 364 BALDWIN, R. L., 101-14; 46, 47, 52, 58, 60, 107-9, 112 Balis, M. E., 77 Ballard, F. J., 524, 531

Ballard, H. S., 87 Ballard, J., 240 Balsan, S., 503, 509 Bamji, M. S., 383 Bampfield, R. W., 184, 196 Bandurski, R. S., 262 Bang, F. B., 186, 191, 195 Bankier, A., 465 Banks, D. R., 524 Bannai, K., 499 Bao, R., 116, 118 Baptista, M., 423 Bar, A., 504 Baran, D. T., 476, 500 Barbeau, A., 524, 541 Barber, E. D., 344 Barber, T. A., 173, 174 Barbiroli, B., 505 Barbour, A. D., 342 Barenie, J. T., 116, 125 Barford, A. V., 476 Baril, L., 394 Barkhan, P., 308, 309, 316, 322, 325 Barmes, D. E., 116 Barnard, J. H., 241 Barnes, R. H., 25, 52 Barnett, E., 472 Barnett, K. C., 541 Barnhart, W. E., 116, 125 Baron, J., 215 Barr, C. R., 505 Barrett, D. I., 502-4 Barrett, R. B., 543 Barron, L. L., 415, 416, 418, 419, 432 Barroso, A. O., 85 Barsa, P. M., 461 Bartels, K., 268 Bartoshuk, L. M., 527 Barve, J. A., 343, 344, 358, 362, 365 Bashor, M. M., 383, 384 Bassoe, H. H., 219 Basu, T. K., 378 Basuki, M., 200 Batchelder, M., 394, 395 Bateman, C. J. T., 460 Bates, C. J., 382, 383 Batshaw, M., 536 Battistone, G. C., 119, 120, 123 Batzinger, R. P., 222 Baud. R., 478 Bauer, C., 465 Baukol, S. A., 294, 505 Baum, H., 262 Bauman, D. E., 46, 51, 57, 58, 61, 62, 108 Baumann, C. A., 263, 264, 272 Baumrucker, C. R., 61 Baur, G., 383

Bavetta, L. A., 436

Baylink, D. J., 474, 478, 496, Bayoumi, R. A., 378, 382, 391 Bazaral, M., 250 Beal, S. L., 352 Beard, E. S., 82 Beard, M. E., 163-65 Beard, M. E. J., 460 Beare-Rogers, J. L., 341, 362 Bearg, S., 109 Beatty, P. W., 217-19 Beauchamp, C. O., 271 Beauchamp, G. K., 527 Beauchene, R. E., 477 Beaver, B., 525 Beck, L. C., 5 Beck, W. S., 396 Becker, D. E., 143 Becker, R. V., 162-64 Becking, G. C., 221 Bedford, P. G. C., 547 Beecher, G. R., 387, 463 Beer, M., 477 Beerthius, R. K., 347 Beeson, W. M., 144 Befanis, P., 354, 355, 362 Begum, A., 194, 200 Behar, M., 197 Behenna, D. B., 391 Behne, D., 259, 260 Bein. M., 243 Beitins, I. Z., 478 Beitz, D. C., 499 Beland, F. A., 218 Belavady, B., 57, 195-97 Belinsky, S. A., 217, 223 Belisle, J., 117 Beliveau, G. P., 531 Bell. L., 138, 149 Bell, M. C., 259 Bell, N. H., 476 Bell, R. A., 116, 125 Bell, R. B., 149 Bell, R. G., 290, 294, 306, 308-10, 312, 318 Bell, R. R., 481 Bellhorn, M. B., 541 Bellhorn, R. W., 541 Bellomo, G., 221 Ben-Ari, J., 476 Bend, J. R., 221 Bender, A. E., 140 Bender, D. A., 390, 464 Benedict, F. G., 529 Benefice, E., 198 Benes, J., 263 Benesch, R. E., 461, 465 BENEVENGA, N. J., 157-81; 158, 159, 161, 162, 165, 168, 169, 171-76, 266, 348, 351, 410, 434, 436, 438-40, 442 Benezech-Lefevre, M., 478

Ben Ezra, D., 192 Benjamin, E., 427, 438 Bennett, C. D., 285 Bennich, H., 239 Bennink, M. R., 532 Bensch, R., 461 Benson, A. M., 222 Benson, J. D., 48 Benton, D. A., 436 Berchtold, P., 435 Bercovitz, M. A., 481 Berg. C. P., 172 Berger, M., 421, 435 Bergmeyer, H. U., 391 Bergseth. S., 500, 504 Bergstrath, E., 472 Bergström, J., 141, 142, 433, 434 Berkner, S., 70 Berlow, S., 87 Berlyne, G. M., 476 Bernardini, P., 410, 443 Bernstein, I. L., 241 Berry, D. E., 175 Вепу. Н. К., 162 Berry, M. N., 223 Berson, E. L., 149, 540, 541 Bertino, J. R., 392 Bessey, O. A., 463 Betheil, J. J., 144 Bettger. W. J., 296, 299, 300. 306, 307, 321 Beutler, E., 267, 393 Beynen, A. C., 342 Bhagavan, H. N., 389 Bhalla. D. K., 344 Bhattacharjee, A. K., 198 Biagi, P. L., 350, 354 Bianchi, G., 434, 439 Bibby, B. G., 121 Bickerstaffe, R., 362 Bickle, D. D., 502, 504 Biderco, I., 121, 126 Bieber, L. L., 415, 430 Biellier, H. V., 502 Biely, J., 320 Bienenstock, S., 237 Bienkowski, R. S., 46 Bier, D. M., 413, 421, 425. 427, 434, 441 Bieri, J. G., 257 Bigaouette, J., 86 Biggers, J. F., 418, 419, 432 Bigotti, A., 166 Bikle, D., 501, 504 Bikle, D. D., 501 Bilek, J., 46 Bille, J., 116 Bills. T.. 396 Bilmazes, C., 438 Bilski-Pasquier, G., 396 Binderman, I., 509

Binek-Singer, P., 161

Binkley, S. B., 282 Bird. A. C., 88 Birge, S. J., 500, 501, 504 Birnbaum, S. M., 146, 536, 537 Bishop, J. E., 498, 499, 509 Bissell, D. M., 216 Bitot. C., 185, 186 Bitsch, R., 382 Bixler, D., 125, 127 Björk, I., 291 Bjorkhem, I., 500, 504 Bjornsson, T. D., 309 Black, A. E., 45, 50 Black, A. L., 462 Black, H., 84 Black, H. C., 144, 146 Black, J. L., 112 Black. R. S., 273 Black, V. G., 122 Blackshear, P. J., 418, 435 Blackstone, W., 4 Blair, D., 75 Blakeley, R. L., 28-30 Blanchard, R. A., 291-93 Bland Sutton, J., 543 Blank, M. L., 364, 367 Blankhart, D. M., 185 Blaschke, T. F., 309 Blau. M., 264 Blaxter, K. L., 45, 102, 103, 106, 107, 110 Blavney, J. R., 126, 127 Blaza, S. E., 530, 533, 534 Bleier, J. C., 139 Bleile, D. M., 414, 416 Blinder, L., 419, 420, 441, 442 Blobel, G., 284 Bloch, C. E., 186 Bloch, K. J., 236, 237 Block, G. D., 82, 482 BLOCK, K. P., 409-54; 410. 416, 417, 427, 431, 436, 437, 441, 442 Blomstrand, R., 308 Bloomgarden, Z. T., 417 Bluestone, R., 82-84 Blumberg, N., 474 Blunt, J. W., 499 Bobechko, P. E., 82-84 Bocher, R., 30 Bock, S. A., 240, 241, 243, 244 Boctor, A. M., 162-64 Bodwell, C. E., 140 Boebel. K. P., 138 Boland, E. W., 323 Boldizsár, H. K., 440 Bollman, J. L., 308 Bollman, S., 499 Bonaga, G., 350, 354 Bond, J. T., 43, 44 Bongiovanni, R., 465

Böni, H., 382

Böni. L., 378, 379 Boniuk, V., 199 Bonjour, J-P., 83, 392, 500-2. 504 Bonner-Weir, S., 506, 507 Bönninghoff, E., 394 Bont, W. J., 262 Boonvisut, S., 54 Boorman, K. N., 440 Booth, C. C., 456 Bordier, P. H., 504, 509 Boreus, L., 125, 126 Borges, E. L., 200 Borman, A., 144, 146 Bors, F., 185, 191 Bory. S., 305 Bosron, W. F., 212 Bosse, T. R., 464 Bosshardt, D. K., 25 Bottemiller, B. L., 500, 504 Bouche, R., 192 Boucher, B. J., 477 Boucquey, C., 192 Boudeue. C., 118, 120, 121 Boudreau, J. C., 527 Bouillon, R., 496, 502 Bounetti, A., 125, 128 Bourdeau, A., 509 Bourdeau, J. E., 507 Bourges, H., 56 Bourre, J. M., 361 Boutry, J. M., 361 Boveris, A., 303 Bowden, J. A., 414 Bower, R. H., 411 Boyd, E. M., 219 Boyd, G. S., 295 Boyd, M. R., 215 Boyer, A., 54, 77, 141, 143 Boyle, C. M., 312 Boyle, I. T., 121, 128, 498-501, 504 Boyle, P., 121, 128 Boyle, R., 5 Boze, L., 389 Brackett, N. C., 498 Brada. Z., 175 Bradfield, R. B., 49 Bradley, E. L., 127 Brady, R. O., 350 Bragdon, J. H., 344 Brain, M. C., 456 Brambell, M. R., 552 Brand, K., 141, 418, 425, 430 Brandtzaeg. P., 237 Branfman, A. R., 392 Branson, H. E., 283 Brashear, R. E., 461 Brassard, R., 386 Brauman, J., 379 Braverman, L. E., 432 Brav. T. M., 167 Brecher, G., 352

Breckenridge, A. M., 318 Breen, K., 378 Bremer, J., 361 Bremner, K., 245 Brennan, M. F., 76, 86, 90, 421 Brenner, L., 395 Brenner, S., 184 Brenner, U., 90 Brescia, F., 69 Bresnick, E., 215 Bresselt, J. D., 543 Brickman, A. S., 509 Briggs, G. M., 257 Briggs, R. S., 476, 477 Bright, E. M., 529 Brignoli, C. A., 341 Brin, M., 379, 464 Brink, E. W., 192, 195-97 Brinkhous, K. M., 322 Brisson, G. J., 340 Brittenham, G. M., 221 Broadus, A. E., 503, 504 Brobeck, J. R., 526 Brodie, B. B., 547 Brody, S., 106, 107 Brody, T. M., 148 Brögli, H., 323, 325 Brommage, R., 508 Bronzert, D. A., 170 Brookes, I. M., 143 Broske, S. P., 192, 195-97 Brostoff, J., 249 Broviac, J. W., 70, 76 Brown, A. C. G., 108 Brown, B., 90 Brown, D. G., 264, 507 Brown, D. J., 477, 483, 504 Brown, E. M., 480 Brown, J., 187 Brown, J. A., 394 Brown, K. H., 194 Brown, L. J., 110 Brown, M., 147 Brown, P. R., 147 Brown, R. D., 394 Brown, R. R., 388, 390, 464, 546 Brown, T. A., 507 Brownlee, S. G., 387 Brubacher, G., 382 Bruce-Robertson, A., 85 Bruch, R. C., 383, 384 Bruckner, G., 353 Brumbaugh, P. F., 507 Brunetti, A. J., 125, 127, 128 Brunner, H., 525 Brunner, R. L., 162 Bruno, J. J., 343 Bruns, D. E., 391, 507 Bruns, M. E. H., 507 Brush, M. K., 530, 533 Brusilow, S. W., 149 Bruun, C., 116, 122, 125

Bryant, C., 476 Bryant, R. W., 268, 272 Bucci, L., 166 Buchthal, S. D., 294 Buckley, J., 244 Buckley, R. H., 239 Buckpitt, A. R., 215 Budde, E. F., 532 Budden, F. H., 198, 199 Budge, E. A. W., 522 Budny, J., 364 Bueding, E., 222 Buening, M. K., 217, 222 Buffington, C. A., 549, 551, 552 Buffington, C. K., 416, 419 Buisseret, P. D., 250 Buist, N. R. M., 149 Bulba, S., 175 Bull, D. M., 237 Bullamore, J. R., 476 Burge, P. S., 249 Burger, I. H., 528, 533, 534, 541, 544 Burgi, W., 125, 128 Burk, R. F., 85, 259, 264, 269, 270, 273 Burke, W. H., 502, 504 Burlakova, E. B., 321 Burns, C. P., 352 Burns, J. J., 547 Burns, R. A., 144, 145 Burns, R. P., 163-65 Burroughs, E. W., 144 Burroughs, H. S., 144 Burt, B. A., 116, 121 Burt. J., 27 Burton, R. M., 273 Buse, J. F., 418, 419, 432 Buse, M. G., 415, 416, 418, 419, 430, 432, 435, 439 Buss. D. D., 457, 458 Butcher, R. E., 162 Butler, M., 389 Butte, N. F., 54 Buttery, J. E., 378, 379 Buttery, P. J., 140, 440 Buxton, D. B., 416, 442 Buxton, P., 415, 432 Buzby, G. P., 90 Byard, J. L., 264 Byars, N. E., 240 Byck, R., 243 Bym, M. L., 5 Byrne, W. J., 90 BYWATER, A. C., 101-14; 112 C Cabrejas, M. L., 480

Caddock, P. R., 73

Cadenas, E., 303

Cadorniga, R., 86

Camie, J. A., 531 Carone, F. A., 175 Carpenter, D. L., 341, 358 Carpenter, D. R., 160 Carpenter, G., 73 Carpenter, J. A., 527 Carpenter, K. J., 410 Carpenter, T. M., 529 Carrick, D. T., 51 Carroll, K. K., 352 Carroll, L., 478 Carroll, M. D., 478, 479 Carter, E. G., 385 Caruso, F. S., 116 Carver, D. S., 530 Case, G. L., 173 Cash. R. A., 192, 195-97 Cashmore, A. R., 392 Casini, A., 216, 221 Castillo, A., 174, 175 Castillo, L., 481, 502, 504 Castonguay, T. W., 526 Catz. C. S., 222 Cavanagh, P. G., 544 Caygill, C. P. J., 262, 268 Сета, F. В., 411 Cha, Y.-N., 222 Chafee, F. H., 241 Chaffee, F. L., 480, 482 Chaiyabutr, N., 60 Chakraborty, J., 49

Cahill, G. F. Jr., 421, 437

Caldwell, P. T., 309, 310

Calloway, D. H., 54, 142, 146,

Calcano: M., 197, 198 Caldwell, M. D., 86, 87

482 Calvert, C. C., 436, 438-40

Calvin. A. I., 273

Cammack, R., 30

Camp, V. M., 389

Campbell, D., 121, 128

Campbell, T. C., 218-22, 225 Canas, R., 46, 47, 52, 107-9 Canfield, L. M., 297, 298, 306

Campbell, H. A., 316

Campbell, P. N., 46

Campbell, R. A., 86

Cannon, R. A., 83, 90

Canterbury, J. M., 481

Canty, D. J., 348, 351

Carey, R. E., 540, 541

Carlisle, E. M., 31, 32

Carlson, J. R., 167

Carmel, R., 394

Carlisle, T. L., 290, 306

Cappuccino, C. C., 411, 418

Cannon, W. B., 529

Cantor, A. H., 270

Caraher, M. T., 220

Carey. C. J., 547

Carey. D. J., 295

Carini, C., 249

Chakraborty, M. L., 198 Chalupa, W., 138, 147 Chamberlain, B. R., 378, 379 Chamuleau, A. F. M., 173 Chan, W., 425, 428, 441 Chanarin, I., 392, 395, 396 Chandler, J. S., 507 Chandler, P. T., 59 Chandra, S., 116, 128 Chandra, T., 285 Chandraratna, R. A. S., 498. 499 Chang, H-C., 365 Chang, R. L., 217, 218 Chang, S. I., 507 Chang, T. W., 410, 422 Chaplin, E. R., 418 Chapman, C. W., 270 Chapman, S. K., 392 Charbonneau, R., 146 Charbonneau, S. M., 466 Charman, M., 505 Chase, H. P., 52, 148 Chase, L. R., 500, 501, 504 Chatranon, W., 54 Chattopadhyay, J. P., 351 Chaturvedi, S. K., 116, 128 Chauhan, M. S., 389 Chavalittamrong, B., 54 Chavez. A., 56 Chavez, E., 174 Chawla, R. K., 423, 425, 427, 431, 442 Chaykin, S., 461 Cheek, P. R., 273 Chen, I. W., 395 Chen. J., 258, 272 Chen. M. F., 386, 394 Chen. M.-Y., 537 Chen, R. W., 273 Chen, S. Y., 85 Chen. X. C., 258, 272 Chen, X. S., 258, 272 Cheng. C. H., 379 Cheng, W., 60 Cherrington, A. D., 434 Chestnut, C. H. III, 478 Cheung, H. S., 347 Chevallier, A., 5 Chevassus-Agnes, S., 198 Chew, R. M., 528 Chhabra, R. S., 221 Chiavarelli, R., 166 Child, A., 460 Chipponi, J. K., 139, 389 Chirambo, M. C., 192 Chisuwa, A., 165, 166, 168 Chiu. A., 302 Chiu. D. T., 267, 269 Chiu, Y. J. D., 308, 325 Cho. B. H. S., 347, 351 Cho, E. S., 142 Cho, G. J., 259

Cho, Y., 351 Choi, N. W., 352 Cholak, J., 118-20, 124 Chong, K. T., 502, 504 Chou. M. W., 222 Chow, C. K., 271 Chow, F. C., 543 Chow, F. H. C., 528, 544 Chowdhury, A. K. M. A., 49 Christakis, G. J., 392 Christakos, S., 505-7 Christensen, H. N., 461 Christensen, K., 165 Christensen, M. S., 475 Christenson, V., 216 Christiansen, C., 475 Christiansen, E. N., 361 Christiansen, R. Z., 361 Christie, D. L., 241 Christie, W. W., 343, 363 Christopherson, B. O., 268 Chu, J. Y., 482 Chu. R., 75, 86-88 Chu, R. C., 70, 85 Chua, B., 439 Chua, B. H. L., 439 Chua. Y. Y., 245 Chumbler, F., 352, 355 Chung, D. W., 284, 285 Churchill, P., 220 Chytil, F., 88 Ciaciaruso, B., 143 Cidlowski, J. A., 390, 463 Cirulli, M., 434, 439 Claevs, A. E., 308, 325 Claeys, H., 285 Claeys, I. V., 325 Clark. A. C., 475 Clark. A. J., 437-39 Clark, B. R., 386 Clark, H. E., 481, 482 Clark, J. H., 150 Clark, L., 545 Clark, M. B., 496 Clark, V. M., 304, 463 Clarke, B. A., 552 Clarke, E. G. C., 547 Clarke, S. D., 552 Clawson, A. J., 48 Clayburgh, R. H., 378, 383 Clayton, C. C., 272 Clegg, M. S., 530 Clemens, T. L., 496 Clemente, C. D., 524, 527 Clements, J. A., 225 Clifford, A. J., 145-47, 380. 392 Clifford, C. K., 392 Close, J. H., 138 Close, W. H., 111 Cobb. B., 192, 198, 199 Cobby. M., 194 Coburn, C. M., 394

Coburn, J. W., 82-84, 482, 509 Coburn, S. P., 387, 463 Cock. E. V., 543 Coffin, D. L., 545 Cohen, H. J., 85 Cohen, H. P., 172 Cohen. R. D., 477 Cohn. V. H., 191 Cohn. Z. A., 507 Coiro, V., 432 Colbert, E., 522 Cole. D. E. C., 82, 84 Cole, P., 75 Coleman, R. J., 524, 525 Coll. K. E., 416, 425 Collan, Y., 127 Colley, R., 73 Collier, G., 525 Collier, G. L., 525 Collins, E., 5 Collins, K., 525 Collipp, P. J., 85 Colman. N., 392, 394-96 Colston, K., 504, 507, 508 Colston, K. W., 501, 502, 504 Colston, M., 508 Coman. B. J., 525 Combe. N., 344 COMBS, G. F. Jr., 257-80; 259. 263. 264. 271. 272. 547 COMBS, S. B., 257-80 Conacher, H. B. S., 117 Cone, J. E., 265 Conn. J. W., 410, 439 Connelly, J. L., 414, 415, 441 Conney. A. H., 217, 219-23, 547 Connor. H., 87 Connor, W. E., 354 Conway. J. G., 215, 217 Cook, G. A., 416, 418, 430-32 Cook. H. A., 118, 120, 128 Cook, H. W., 346, 357, 360, 364 Cook. K. G., 416 Cooke, C. R., 82 Cooke, W. T., 476, 483 Coombes, A. I., 545 Coon, M. J., 144, 210, 215-17. 223 Cooper, T. G., 295, 303 Cooper. W. C.. 263 Coots. R. H., 360 Corbin, J. E., 144, 145, 524, 533-35, 539, 541, 542, 544, 547 Cordy, D. R., 545 Corkey. B. E., 416 Corless. D., 477 Corley, R. C., 144 Cornatzer, W. E., 22, 23 Cornell, R., 237

Cornet, P., 193, 195 Corradino, R. A., 507 Correa, P., 225 Correia, M. A., 210, 218 Corrigan, J. J., 320 Cortot, A., 75 Corvol, M. T., 509 Costa, F. M., 482 Costa Val, V. P., 200 Costello, M. J., 150, 535, 537 Cosyns, L., 386 Coty, W. A., 507 Coulter, A. W., 425 Coulter, M., 464 Couri. D., 288, 291 Cournot-Witmer, G., 509 Coursin, D. B., 389, 458 Cousins, R. J., 499 Coward, J. K., 392 Cowey, C. B., 552 Cowgill, G. R., 530 Cox, G. J., 141 Cox, R. P., 415, 418, 432 Crabb, D. W., 419 Craig, G. G., 121 Craig, R. K., 46 Cram, D. J., 305 Crandall, L. S., 529 Crane, D. B., 125, 127 Crane, J. G., 472 Crawford, L. V., 241, 247 Crawford, M. A., 547, 548, 550, 552, 553 Cree, T. C., 410, 412, 413, 419, 420, 422, 423, 425, 426, 431, 434, 436-38 Criddle, R. S., 260, 264, 266 Crilly. R. G., 475, 478 Crisp. M. P., 118 Cmic, L. S., 52 Crompton, G., 116 Cross, R. E., 391 Csaba, G., 541 Csallany, A. S., 321 Cuisinier-Gleizes, P., 507 Cummings, S. W., 222 Cummins, L. M., 264 Cunnane, S. E., 84 Cunningham, N. S., 501, 504 Cupps, P. T., 543, 544, 549-51 Currie, W. B., 46, 51, 57, 58, 61 Curry, C. R., 73 Curzon, G., 167 Curzon, M. E. J., 127 Cushman, D. W., 347 Cusworth, D. C., 437, 438 Cuthbertson, D. P., 148 Cutress, T. W., 127 Cynamon, M. H., 238

Czarnecki, G. L., 144, 149

D Da Costa, M., 394 Dabeka, R. W., 117 Dace, O., 125, 128 Dadd, R. H., 552 Daemen, M., 294 Daftari, B., 159 Dakshinamurti, K., 389 Dam. H., 282 Damiean-Gillet, M., 186 Damrongsak, D., 192 Danan, J-L., 496 Dancis, J., 54, 415, 418, 432 Daniell, H. W., 475, 478 Danielson, L., 221, 315 Danielson, M. E., 118, 124 Dannaeus, A., 249 Dannan, G. A., 208, 210, 215, 216 Danner, D. J., 414, 415 Danon, A., 353 Dao, D., 267 Darby, W. J., 186 Das, K. C., 396 DaSilva, A. C., 546, 547 Datta, K., 163 Datta, S. P., 539 Davey, R. J., 48 David, M., 496 David, T. A., 477 Davidson, B. H., 478 Davidson, C. S., 434 Davidson, J. F., 86 Davidson, L. M., 351 Davidson, N. K., 215 Davie, E. W., 283-86 Davie, M., 477, 507 Davies, G. N., 116 Davies, J., 77 Davignon, J., 84, 340 Davis, A. J., 58 Davis, B. B., 500-2, 504 Davis, C. G., 392 Davis, J. G., 121 Davis, J. N., 265 Davis, M., 184 Davis, P. J., 82 Davis, S., 378 Davis, T. A., 477, 479 Davison, V. L., 341 Dawson, A. B., 524 Dawson, A. G., 423 Dawson, D. W., 394, 395 Dawson, E. A., 350 Day, B. P., 392 Day, H. G., 478, 479 Dayton, S., 342 Deady, J. E., 542 Dean, H. T., 122 deAngelis, R. C., 546, 547 Debeir, O., 192, 195

DeBuysere, M. S., 415, 416, 418, 419, 442 Decker, K., 382, 383 Decker, R. H., 546, 553 Decker, W. J., 344, 350, 354 DeCottingnes-le Maréchal, P., 302, 305 De Gier, J., 344 Defibaugh, P. W., 380 Deftos, L. F., 475 Deftos, L. J., 294, 507-9 Degen, S. J. F., 285, 286 DeGouvea, H., 184 de Goyet, C., 192 Degrossi, O. J., 480 DeJarlais, W. J., 343, 349, 356 de Jong, P. C., 74 De Kalbermatten, A., 237 Dekay, D. E., 110 De Kloet, K., 378, 379 De Kort, A. F. M., 149 Delamore, I. W., 394, 395 Delaney, R., 295, 296, 302 DeLeenheer, A. P., 308, 325 Dell, A., 282-84 DeLoach, D. P., 270 Delong, G. M. D., 147, 148 Deloria, L. B., 224 DeLorimer, A. A., 87 DeLorme, A. C., 496, 507 Delouis, C., 46 del Rio, R. M., 265 DeLuca, H. F., 476, 477, 481, 482, 498-502, 504, 505, 507, 508 DeLuca, L. M., 197 Delvalle, J. A., 160, 161 Del Valle, L. A., 149 DeMetz, M., 298-300, 305-7 DeMoor, P., 496, 502 Dempsey, W.B., 461 De Nayer, P., 197 Denbesten, L., 84 Denis, J., 443 Dennis, S. C., 416 De Pascale, C., 141, 142 DerVartanian, D. V., 29, 30 De Santo, N. G., 141, 142 Desautels, M., 439 De Schrijver, R., 346 Deshmukh, D. R., 144, 145, 148, 538 Desplan, C., 506 Desurmont, P., 443 Deuel, H. J. Jr., 343 Deuth, M. A., 533, 538 Deuticke, B., 174 Deutman, A. F., 149 De Visscher, M., 197 DeVenuto, F., 466 DeVries, J. X., 385 DeWael, J., 378 deWilde, R., 531

Deykin, D., 323 Dhopeshwarkar, G., 355, 357. 361, 367 Dhopeshwarkar, G. A., 355, 360 Diament, M., 83 Diamond, 1., 418 Dickinson, C. D., 533, 534 Dickinson, E. O., 167 Dickson, V. L., 392 Diekert, G., 29, 30 Dien, L. T. H., 436 Dienel, G., 160, 161 Dienst, C., 90 Dillon, J. D., 73 Dilworth, G. L., 262, 265 Dimperio, D., 392 Ding, R., 385 Dipalma, J. R., 220 Diplock, A. T., 262, 268 Dippel, C., 438 Diren, W., 215 DiScipio, R. G., 283 Discombe, C., 323 Disorbo, D. M., 466 DiStefano, V., 116 Dittmar, K., 342 Dixit, D. T., 195, 197 Dixon, J. L., 415, 429, 430 Dixon, N. E., 28, 30 Dixon, R. L., 219 Dixon, W., 342 Djiane, J., 46 Djunaedi, E., 185, 186, 195, 200 Dobberstein, B., 284 Dobbing, J., 50 Dohlman, C. H., 191 Doisy, E. A. Jr., 86, 282, 320 Dolan, G., 143, 159 Domstad, P. A., 394 Donald, E. A., 464 Donath, A., 478 Dondi, C., 434, 439 Dong, A., 259 Dong, M. H., 380, 394 Donnally, H. H., 251 Donohue, A. M., 285 Doong, G., 544 Doppelt, S. H., 496 Dossetor, J., 199 Doty, M., 193, 196 Douglas, L. G., 528 Dow, M. J., 390 Dowdy, R. P., 27, 378, 384 Dowell, T. B., 121 Dowling, J. E., 184 Downing, D. T., 365 Dragsten, P., 344 Drake, H. L., 29, 30 Drake, T. G. H., 126, 127 Drakenberg, T., 283 Drapanas, T., 417, 423

Draper, H. H., 321, 478, 479, Drebit, R., 461, 463 Drenick, E. J., 437, 438 Drescher, D., 507 Dresser, C. M., 478, 479 Dreyer, R. N., 392 Drezner, M. K., 501, 504 Dricot, J. M., 193 Dricot-d'Ans, C., 193 Drier, C., 419, 432 Driscoll, J. M. Jr., 149 Driscoll, W. S., 116, 128 Driskell, J. A., 387, 388 Drummond, G. S., 222 Dua. S., 509 Dubin, A., 302 Dubois, J., 305 DuBos, R. J., 236 Dubose, C., 526 Duckworth, R., 120, 123, 128 Duckworth, S. C., 120, 123, 128 Dudney, G. G., 116, 128 Dudrick, S. J., 85, 323 Duff, D. A., 421 Duff, E. J., 117 Duffy, P., 378 Dugaiczyk, A., 506 Duggan, M., 199 Dukes, G. R., 392 Dumm, M. E. 194 Dumontier, M. F., 509 Dunbar, P. B., 8 Dunkle, B. F., 306 Dunlop, W. M., 85 Dunn, D., 149, 537 Dunn, W. L., 473, 474 Dunning, J. M., 116 Dupont, J., 347, 353 Dupre. J., 434 Du Ruisseau, J. P., 146 Dus. K. M., 295 Dutch, D. S., 543 Dutton, G. J., 547 Dutton, H. J., 340, 341, 343, 345, 349, 350, 355, 356, 363, 367 DuVarney, R. C., 30 Du Vigneau, V., 144 Dworkin, S., 529 Dyck. J. L., 198 Dyer, I. A., 167 Dysart, M. I., 528, 544

Eagan, S. M., 524 Eagen, M., 221 Eager, J. M., 122 Earnest, D. L., 76 East. N. E., 108 Easter, R. A., 141, 144

Ebadi, M., 460, 465 Ebeid, A. M., 145, 443 Eberhard, T., 525 Echols, R. E., 382 Edelman, I. S., 108 Edelson, A. H., 478 Edelstein, S., 477, 496, 509 Eder, H. A., 344 Edgar, W. M., 120, 125, 128 Edis, A. J., 476, 477 Edman, C. D., 475 Edmonson, J., 476 Edozien, J., 49 Edozien, J. C., 57 Edwards, R. A. T., 413, 425, 434 Edwin, E. E., 380 Efron, M. L., 145 Egan, W., 282, 284 Egeberg, K., 306 Egge, H., 365 Eggers, D. K., 464 Egwim, P. O., 345, 348, 354, 355 Ehrnebo, M., 116, 125-28 Eichele, E., 269 Eichelman, B., 170 Eichner, E. R., 392 Eilon, G., 507 Eisenberg, Z., 477 Eisman, J. A., 83, 476, 502, 504, 505, 507 Eiderhamn, J., 464 Ekberg, O., 125 Ekern, A., 103, 109 Ekstrand, J., 116-19, 125-28 el Azhary, R., 224 El-Begearmi, M. M., 263, 264 El-Sheikh, M., 362 Elia, M., 421, 425, 435 Elias, E., 88 Ellefson, W. C., 380, 382 Ellefson, W. L., 29, 30 Elliott, C. F., 118 Elliott, J. G., 341 Elliott, R. H., 184, 186 Ellis, K., 476, 483 Elmer, G. W., 389 Elmfeldt, D., 320 Elsas, L. J., 415 Elsayed, S., 239 Elsley, F. W. H., 53 Elson, C. E., 348, 351 Elvehjem, C. A., 24, 144, 436, 538 Elwyn, D., 433, 434 Elwyn, D. H., 411, 433 Elzay, R. P., 175 Ember, L. R., 224 Emery, R. S., 48 EMKEN, E. A., 339-76; 340, 342, 343, 345, 347, 349,

350, 353, 355-57, 367

Emmelot, P., 262 Emran, N., 186-88 Emtage, J. S., 505 Endo. H., 509 Endres, W., 389 Ener. M. A., 350 Eng. M., 342 Englander, H. R., 116 Englert, D., 85 English, P. B., 545 Engvall, E., 245 Enig. M. G., 342, 352 Enneking-Ivey, O., 392 Entine, S. M., 391 Entressangles, B., 344 Epp. O., 267, 268 Epstein, J. S., 120 Epstein, S., 476 Ericsson, L. H., 462 Ericsson, Y., 116, 118, 119, 121, 125-28 Eriksson, L. S., 443 Eriksson. S., 266, 421, 437-39 Ernster, L., 221, 315 Erslev. A. J., 393 Esashi, T., 172 Escapini, H., 192 Escoffier, J-M., 443 Esmon, C. T., 287, 288, 291, 293-96, 314 Esnouf, M. P., 283, 292, 303 Espinal, F., 121 Espinosa, I. A., 306 Estabrook, R. W., 218 Estes, L. W., 174 Estrela, J. M., 61 Esvelt, R. P., 498, 499 Eto, I., 392, 393 Evans. A. R., 323 Evans, E., 140 Evans, F. E., 218 Evans, I. M. A., 502, 504 Evans, J. S., 220 Evans, M., 166, 167 Evans, R. K., 217, 223 Evenson, J. K., 172 Everett, G. M., 547 Ewer, R. F., 525 Exton, J. H., 421, 423 F Fagen, J., 525

Faich, G., 193, 194, 196, 199, 200 Faichney, G. J., 112 Fairney, A., 477, 483 Fajans, S. S., 410, 439 Falch, J., 352 Fales, H. M., 160 Fallon, J. T., 85 Faloona, G. R., 82 Faltin, E. C., 127

Fanning, D. C., 223 Fantania. H. R., 416, 441 Faradji, B., 480 Faragalla, F. F., 547 Faraj, B. A., 389 Farber, E., 174, 175 Farber, J. L., 216, 221 Farid, M., 109 Farkas, C. S., 116, 118, 120, 124 Farkas, E. J., 116, 118 Farguhar, W., 342 Farr. R. S., 237, 243 Farrell, R., 45, 51, 435 Fasco, M. J., 224, 313-16, 318 Fatania, H. R., 410, 414-17, 426, 431, 441 Fau. D., 542 Faulkner, A., 60 Fausto, A., 294, 295, 318, 507 Fazal, A., 186 Featherstone, W. R., 428, 537 Fedoruk, S., 480 Feinstein, A. R., 475 Feldman, D., 507, 508 Felig. P., 410, 421, 422, 437 Felker, P. H., 5 Fell. D., 169-71, 173 Fells, P., 185, 191 Felsted, R. L., 212, 461 Fenan, S., 87 Ferguson, D. B., 125 Ferguson, D. C., 544 Fern, E. B., 411, 428, 430, 431, 439 Fernandez, T. L., 192, 195, 199 Fernlund, P., 282-84 Fernstrom, J. D., 54, 411, 434 Ferraresi, R. W., 240 Ferrell, C. L., 107, 109 Feuer, L., 541 Feyns, L. V., 392 Fidanza, F., 386 Fiennes, R. N. T-W., 543, 544 Fieser, L. F., 309 Figueroa, W. S., 437, 438 Filer, L. J. Jr., 43, 44, 158 Filmer, D. L., 303 Finck. A.. 29. 30 Finkle. W. D., 476 Finnan, J. L., 302, 305 Finster, M., 223 Fischer, A., 84 Fischer, C. A., 541 Fischer, D. D., 264 Fischer, E. H., 462 Fischer, H. P., 305 Fischer, J. A., 83, 502, 504, 507 Fischer, J. E., 85, 145, 410, 411, 417, 433, 439, 443 Fischer, P., 165 Fischer, T. M., 174

Fish. D. L., 394, 395 Fishbein, W. N., 30 Fishbon, H. M., 323 Fisher, D., 378 Fisher, H., 144, 148 Fisher, H. K., 225 Fishman, M. A., 159 Fitzgerald, J. F., 147 Fitzpatrick, G. F., 421 Flaherty, T. A., 394, 395 Fleet, I. R., 58 Fleisch, H., 83, 500-2, 504 Fleischer, S., 220 Fleming, C. R., 70, 75, 85 Fletcher, T. L., 212 Fletterick, R. J., 462 Flissebaalji, T. O., 117, 119 Flohe, L., 267-69, 271 Flower, R. J., 347 Floyd, J. C., 410, 439 Floyd. R. A., 295 Fokkens. R., 306, 307 Folkers, K., 391 Follis, R. H. Jr., 24 Foltz, C. M., 257 Fonda, M. L., 461, 464 Fong, K. H., 121 Fong. K. L., 268, 271 Fonkalsrud, E. W., 90 Fontaine, O., 503 Forbes, R. M., 544 Fordtran, J. S., 476, 479 Forrester, D. J., 120 Forrester, R. M., 323 Forsberg, N. E., 107, 108, 112 Forsgren, L., 308 Forsman, B., 116, 125 Forstrom, J. W., 265 Forsum. E., 54, 55, 57 Forsyth, D. M., 507 Forte, L. R., 502 Forte. M. D., 496 Fortin, A., 111 Fortner, J. G., 217, 222 Foster, D., 174 Foster, W. C., 125 Foucard, T., 249 Fouts, J. R., 219 Fowler, V. R., 111 Fox. J., 498 Fox, L. A. D., 533 Fox. P. R., 544 Fragny, M., 32 Frame, B., 480 Frame, E. G., 433 Frandsen, B. R., 506, 507 Frankel, B. J., 508 Frankel, T. L., 546, 548, 549 551 Franken, S., 191, 192, 199 Franscino, J. A., 127 Frantz, I. D., 350 Franz, H. E., 507

Fraser, D. R., 385, 499, 500, 502, 504 Fraser, R., 480 Fraser, T. R., 479, 480 Freake, H., 504 Frederick, R. L., 75 Frederique, G., 199 Fredrickson, D. S., 342, 350 Freedland, R. A., 427, 531, 534, 537, 538, 553 Freeman, C. S., 46 Freeman, J. B., 84 Freeman, P. A., 472 French, J. S., 215 Freund, H., 85 Freund, H. R., 411, 433, 439 Frey, C. N., 320 Frick, G. P., 419, 420, 432, 441. 442 Frick, P. G., 323, 325 Friderici, K. H., 46, 418, 419 Fridericia. L. S., 184 Fridovich, I., 213, 271, 303 Fried. R., 546 Friedlander, E. J., 506, 507 Friedler, R. M., 482 Friedman, M. A., 175 Friedman, P. A., 294, 304-7, 316. 318 Friedman, R. B., 391 Friedrich, B., 29, 30, 389 Friedrich, C. G., 29, 30 Friend, B., 342 Friend, G. M., 259 Fries, J. H., 239 Frings, H., 527 Fritz, J. S., 117 Fritze, L., 251 Frobish, L. T., 48 Frölich, J., 77, 353 Fromm. G. A., 480 Frommer, J. E., 496 Fronk, T. J., 62 Frost, D. V., 272 Frumar, A. M., 475, 478 Fry. L. K., 84 Frye, J. B., 121, 128 Frye. W. W., 121, 128 Fucci, L., 216 Fuchs, A., 185 Fuchs, G., 342 Fujita, T., 380, 381 Fujui. T., 462 Fukase, M., 500, 501, 504 Fukui, T., 462 Fukumori, N., 361 Fukushima, M., 508 Fukutome, K., 540 Fulford-Jones, C. E., 460 Fulks, R. M., 439 Full, C. A., 120 Fuller, C. A., 524 Fuller, M. F., 111

Fullerton, N. F., 218 Fullmer, C. S. Jr., 345, 364, 367, 506, 507 Funaki, Y., 165, 166, 168 Funovics, J. M., 145 Furie, B. C., 291-93 Furka, A., 541 Fürst, P., 141, 142, 144, 433, 434 Fuss, C. N., 264

Gaarder, T., 118, 124 Gabovich, R. D., 118, 121, 124 Gabr. M. K., 197 Gaffar. A., 194 Gahlot, D. K., 191, 196 Gal. E. M., 159, 167 Galant, S. P., 244 Galante, L., 501, 504 Galasubramaniam. P., 481 Galbis, J. L., 61 Galim, E. B., 413, 421, 425 Galindo, B., 238 Galinsky, D., 476 Gallagher, E., 216 Gallagher, J. A., 509. Gallagher, J. C., 472, 476-79. 483 Gallagher, M. D., 472 Gallenkamp, H., 220 Gallop, P. M., 284, 293, 294, 364 Galon, H., 121, 126 Gammage, K., 524 Gander, P. H., 524 Ganguli, C., 198 Ganguli, N. C., 58 Ganong, W. F., 420 Ganote, C. E., 175, 457 Ganrot, P. O., 289-91 Ganther, H. E., 85, 257, 260, 261, 263-65, 267-69, 273 Garabedian, M., 498, 501, 504, 509 Garand, R., 396 Garattini, S., 158 Garber, A. J., 422 Garber, B. M., 461 Gardner, E. J., 287, 294, 295, 303, 318 Gardner, R., 499 Garel, J. M., 507 Garewal, G., 396 Garlick, P. J., 44, 51, 411, 439 Gam, S. M., 480 Garraway, W. M., 472 Garrett, M., 198 Garrett, W. N., 102, 104, 107, 108, 112 Garrigus, U. S., 143 Garry, P. J., 382, 477, 478, 483

Garson, J. Z., 250 Gartner, R. J. W., 545 Garvey, W. T., 290 Garwood, J., 475 Gary, T. M., 526 Garza, C., 54, 139, 140 Gasiewicz, T. A., 259, 262 Gatautis, V. J., 383 Gates, B., 90 Gatewood, V. H., 141, 142, 144 Gaudry, M., 305 Gaull, G. E., 77 Gauthier, A. P., 443 Gawley, L., 392 Gaye. P., 45 Gazelle, S. A., 340 Gazzola, C., 28, 30 Ge, K., 85, 258, 272 Geay. Y., 109 Gebhardt, O., 306, 315 Gebre-Medhin, M., 54, 55, 196 Gedalia, I., 117, 119, 121, 125-27 Geers. R., 106 Geggel, H. S., 77 Geis, W. J., 122 Geison, R. L., 169 Gelbard, H. A., 507 Geller, D. M., 285, 290 Gellman, M., 243 Gensler, W. J., 343 Genuth, S. M., 475 Geola. F., 475 Gergely, V., 217 Gerich, J. E., 423 Gerrard, J. W., 250 Gershoff, S. N., 54, 530, 545-47 Gershon-Cohen, J., 474 Gerstl, R., 243 Gertner, J. M., 503, 504 Gessert, C. F., 534 Geweke, L. O., 299-302, 306 Ghanta, V., 392, 393, 396 Ghazarian, J. G., 500 Ghisalberti, A. V., 54 Ghosh, A., 283 Ghosh, J. J., 163 Gibberman, V., 391 Gibbons, R. J., 236 Gibson, D. D., 268, 271 Gibson, G. E., 145, 146 Giger, U., 220 Gijsbers, A., 378 Gilberstadt, S., 73 Gilfor, D., 216, 221 Gillette, J. R., 214, 219, 224 Gillim, S. E., 416, 418, 430-32 Gimmon, Z., 411, 417, 433, 439 Giordano, C., 141, 142 Giorli, M., 216, 221

Gipson, I. K., 164 Girard, J. P., 237 Girardot, J. M., 295, 296 Girdwood, R. H., 392 Givas, J. K., 394, 395 Givskov, H., 122, 125 Gjerde, D. T., 117 Glasgow, A. M., 148 Glass, R. L., 115, 116 Glatz, J. F. C., 416-18 Glatzle, D., 382, 383 Glick, T. H., 147, 148 Glomset, J. A., 363 Gloor, U., 308, 316, 321 Glover, J., 200 Glover, J. R., 263 Glowinski, I. B., 214 Go. L. T., 395 Godin, C., 143, 159, 163 Godwin, K. O., 264 Goetchius, M., 218 Going, R. E., 121, 122 Golbert, T. M., 241 Goldberg, A. L., 410, 411, 416-23, 431, 439, 441 Goldberg, M., 82 Golden, M. H. N., 421 Goldmann, D. A., 74 Goldsmith, L. A., 162, 165 Goldstein, D. A., 509 Goller. H. J., 364 Goltzman, D., 501, 504 Goluboff, N., 250 Gombos, G. M., 191 Gommi, B. W., 223 Gooch, B. R., 421, 423, 425, 437, 438 Goode, A., 378 Goode, J. A., 58 Goodgame, J. T., 76, 86 Goodman, D. B. P., 501, 504 Goodman, D. S., 545 Goodman, G. T., 46 Goodman, H. L., 295 Goodman, H. M., 419, 420, 432, 441, 442 Goodman, S. J., 87 Goodman, S. R., 290, 309 Goodrich, R. D., 106 Goodwin, D., 509 Goodwin, J. S., 477, 478, 483 Gooze, L. L., 507 Gopalan, C., 195-97, 219, 410 Gordon, D. T., 343, 358, 364 Gordon, J., 476 Gordon, R., 159 Gordon, W. R., 28, 30 Gorewit, R. C., 62 Gormican, A. T., 85 Gorthwaite, T. L., 503, 504 Goscin, S., 271 Goswami, S., 353 Goto, M., 412

Gottenbos, J. J., 340, 343 Gottlieb, L. S., 547 Gotto, A. M. Jr., 348, 351 Gould, A. W., 4 Gould, S. A., 466 Gouwault, M., 290 Govitrapong, P., 460 Gowans, J. L., 237 Gowenlock, A. H., 394, 395 Grabau, G. G., 289, 290, 299 Grace, C. S., 394 Grady, L. T., 173, 392 Graf, E.-G., 30 Graff, G., 344 Grafton, W. D., 392 Graham, D. C., 395 Graham, N. McC., 107-9, 111, 112 Graham, W. R., 282 Graham-Jones, O., 543, 544 Grant, C., 90 Grant, G. A., 287, 288 Grant, J. P., 88 Grassi, E., 215 Graves, C. B., 289, 290, 299, 318 Graves, D. J., 462 Gravesen, J., 386 Gray, I., 241 Gray, L. M., 341 Gray, R. W., 485, 499, 500. 503, 504 Grav, T. K., 496 Greaves, J. H., 310 Greaves, J. P., 533, 534, 541, 543, 544 Greeder, G. A., 272 Green, H. L., 85 Green, M. D., 380 Green, M. R., 303 Green, W. R., 185-87, 189, 195 Greenberg, G. R., 85 Greenberg. H., 198 Greene, B. C., 392 Greengard, O., 160, 161 Greenhalgh, J. F. D., 53 Greenstein, J. P., 146, 536, 537 Greenwald, L. L., 458 Greenwood, D. A., 126, 127 Greep. J. M., 74 Gregg, J. B., 116 Gregg. V. A., 107, 108 Gregory, J. F. III, 387, 388, 390, 392, 457, 458, 463 Gregory, P. E., 270 Grichting, G., 109 Grieg, C. G., 547 Griep. A. E., 304 Griffin, A. C., 272 Griffin, J. H., 283 Griffin, M. J., 224

Grifo, A. P. Jr., 48, 53

Grimwade, A. M., 295

Grivell, A. R., 223 Grobler, S. R., 125 Grodsky, G. M., 508 Grolleau, J. Y., 396 Groppel. B., 23, 25, 27 Gross, C. S., 316 Gross, E. W. III, 220 Grosse, B., 509 Grosseoetringhaus, S., 355, 361 Grossman, L., 218 Grossowicz, N., 394 Grover. A. D., 186 Grubb, D. A., 53 Gruehl, H. L., 241, 250 Grulee, C. G., 251 Grummer, R. H., 348, 351 Grun, M., 23, 25, 27 Grundin, R., 216 Grundstein, N. D., 7 Grützmann, K. D., 391 Gubin. J., 166, 168, 169, 442 Gubler, C. J., 380 GUENGERICH, F. P., 207-31; 208-10, 213, 215-18, 220 Guerios, M. F. M., 547 Gueris, J., 504, 509 Guernsey, D. L., 108 Guggenheim, K., 378, 382 Guilarte, T. R., 386, 390, 463 Guilford, H., 394 Guillozo, H., 509 Guirard, B. M., 462 Guity, R., 394, 395 Gulley, R. M., 342, 343, 349, 356 Gullino, P., 536, 537 Gunawan, S., 192, 195, 200 Gunsalus, R. P., 264 Gunstone, F. D., 343, 344, 358, 362-67 Günthert, W., 385 Gunzler, W. A., 267-69, 271 Guo, L. S. S., 346, 354, 366 Gupta, M. C., 191, 196 Gupta, O. P., 121, 125 Gupta. S. P., 477 Guroff, G., 159, 160 Gurr, M. I., 364, 366 Gutcho, S., 394, 395 Gutteridge, D. H., 479, 480 Gutzke, G. E., 266 Guy, W. S., 117, 122, 125 Guzelian, P. S., 216 György. P., 389, 464

H

Ha. Y. H., 145 Haaland, G. L., 108 Habig, W. H., 213, 216 Hackenberg, K., 141 Hadjimarkos, D. M., 118 Haeney, M. R., 476 Haest, C. W. M., 174 Harding, M., 505 Hafeman, D. G., 257, 267, 269, Harding, P. E., 464 270 Hardwick, J. L., 120, 121, 125, Hafez, Y. S. M., 174 128 Hageman, E. C., 59 Hardy, A. J., 535 Hageman, J. M., 295, 299-301 Harell, A., 477, 496 Hagen, D. F., 117 Hargrove, D. M., 535, 539 Hagenfeldt, L., 421, 437-39 Harland, B. F., 116, 118, 122. Hagihira, H., 439 123 Harland, J., 85 Hahn, P., 77 Hahn, T. J., 480, 483 Harlow, G. A., 110 Harmon, B. G., 143 Haines, W. J., 141, 144 Halabe, A., 509 Harnden, D., 498 Halban, P. A., 46 Harned, M. A., 527 Halbrook, E. R., 282 Haroon, Y., 308, 322 Haldane, J., 529 HARPER, A. E., 409-54; 138, Halestrap, A. P., 416, 441 139, 143, 144, 158, 159, 161-69, 171-73, 175, 176, Hall, A. H., 296 Hall, A. L., 285, 295, 296, 416, 434, 436 299, 300, 306, 307 Harries, M. G., 249 Harrington, W. H., 380 Hall, M. R., 476, 477 Harris, C. C., 221 Hallberg, M. C., 475 Harris, H., 539 Halliday, D., 413, 425, 434 Halloran, B. P., 496 Harris, J., 382 Halpern, R. M., 386 Harris, R. A., 414-16, 416, 418, 419, 423, 430-32, 441 Halpert, J., 218 Harris, R. N., 223 Halpin, T. C., 90 Halstead, L. R., 480, 483 Harrison, J. E., 82-84, 507 Halver, J. E., 141 Harrison, M., 480 Harrison, Y. E., 223 Halverson, A. W., 263, 264 Ham, M. P., 118, 119, 122, Hart, D. M., 475 124, 128 Hart, E. B., 24 Hamada, R., 381 Harten, M., 241 Hamar, D. W., 528, 543, 544 Harter, J. M., 174 Hamasaki, N., 459 Hartline, J. V., 88 Hambidge, K. M., 22, 85 Hartmann, P. E., 54 Hambraeus, L., 54, 55, 438 Harvey, B. B., 319 Harvey, P. W., 170 Hamburger, R. N., 250 Hamfelt, A., 464 Hasan, H. R., 46 Hamilton, J. C., 477 Hashimoto, S., 342 Hamilton, T. S., 125, 128 Hashimoto, Y., 499, 509 Haskell, B. E., 459, 461 Hamm, M. W., 457, 458, 462 Hammarstrom-Wickland, B., Haslewood, G. A. D., 541 434 Hassam, A. G., 548, 552, 553 Hamon, M. H., 58 Hassan, A. S., 149, 150 Hamstra, A., 476, 477 Hassan, H. M., 213 Hananian, J., 392 Hassell, A. H., 5 Handler, P., 439 Hastreiter, R. J., 116 Hatch, T. F., 77 Handreck, K. A., 264 Haneberg, B., 236 Hatchikian, E. C., 30 Hatfield, E. E., 28, 30 Haning, J. A., 23 Hankes, L. V., 546, 553 Hathcock, J. N., 379 Hankin, J. H., 352 Hatina, G. V., 466 Haugh, L. D., 121, 122 Hanninen, O., 220, 346 Hansen, A. E., 412, 463 Hauschildt, S., 430 Hansen, H., 343 Hauschka, P. V., 284, 293, 294, 308 Hansen, J., 476 Hanson, A. H., 149 Haussler, M. R., 83, 502, 504,

507

Hauw, J. J., 361

Havel, R. J., 344

Havsteen, B., 222

Hautvost, J. G. A. J., 342

Hanson, K. C., 142

Hanwell, A., 58, 60

Harbitz, O., 239

Harasawa, M., 476, 477

Hardell, L. I., 118, 119

Hawkes, W. C., 265 Hawking, F., 524 Hawkins, R. A., 61 Hay, A. W. M., 546 Hayaishi, O., 167, 545, 546 Hayashi. K., 267 Hayes, J. R., 218-22 Hayes, K. C., 139, 540, 541. 550 Haymond, M. W., 413, 421, 423, 425, 435 Hazelhof, E., 268 Hazlet, T. K., 60, 83 Heaney, R. P., 475, 478-80, 484 Heath, H., 478, 498 Heath, H. W., 524, 525 Heath, J. B., 4 Heckenlively, J. R., 77 Heckers, H., 341, 342 Hefti, F., 411 Hegel, H., 464 Hegsted, D. M., 139-42, 482, 545, 546 Hegsted, M., 482 Heifetz, S. B., 116, 128 Heilmann, E., 394 Heimermann, W. H., 343, 358, 364 Hein, D. W., 214 Hein, J. W., 116 Heindel, M. B., 141, 142 Heine, E., 29, 30 Heine, H. S., 222 Heinicke, H. R., 144 Heinzelman, D. I., 250 Heird, W. C., 77, 149 Heizer, W. D., 70 Heldt, A. M., 508 Helgeland, L., 306 Heller, L. I., 117 Heller, R. M., 85 Hellstrom, I., 121, 126, 128 Helminen, S., 127 Helper, L. C., 541 Hemker, H. C., 298-300, 305-7 Hemming, B. C., 380 Hems, D. A., 423 Hemsell, D. L., 475 Hendel, J., 395 Henderson, G. L. B., 543 HENDERSON, L. M., 455-70; 457-62, 465, 546, 553 Hendrikx, A., 378, 379 Hendrix, H., 294 Hendrix, T. R., 456 Hengen, M., 385 Hengen, N., 385 Henkin, R. I., 170 Henley, J. W., 496 Hennig, A., 23, 25 Henning, H. V., 423, 435

Henrikson, P., 478, 480

HENRY, H. L., 493-520; 83, 84, 500-2, 504, 509 Henslee, J. G., 537 Henson, E., 304 Henton, D., 213, 218 Herbert, V., 392-96 Herbertz, L., 423 Hercsel, J., 541 Herlin, P. M., 417 Herlong. H. F., 432 Herman. R. H., 378 Herman. Y. F., 378 Hermann, J., 462 Hermodson, M. A., 283, 310, 318 Herms, R. J. J., 342 Hernandez, O., 218 Herrman, J. L., 273 Herron, P. H., 251 Herzfeld, A., 537 Herzmann, J., 383 Hess, B., 141 Hevia, P., 147, 149 Heyburn, P. J., 475 Heyden, S., 352 Heymann, E., 213 Heyns, W., 496, 502 Heywood, R., 545 Hickman, F., 121 Hidiroglou, M., 259 Hietanen, E., 220, 346 Higgins, P. J., 273 Hildebrandt, E. F., 312-14, 318, 319 Hilker, D. M., 380 Hill, C. H., 35 Hill, E. G., 340, 345, 346, 357. 364, 365 Hill, H. A., 303 Hill, P. W., 394 Hill, W. L., 525 Hiller, L. K., 116, 125 Hillman, R. S., 459 Hillman, W. S., 28, 30 Hills, D. L., 543 Hillyard, C. J., 478 Hinman, N., 108 Hintz, H. F., 147 Hiraga, K., 320 Hiraoka, E., 86 Hirata, M., 214 Hirayama, T., 352 Hird, F. J. R., 423 Hirono, I., 212 Hirose, M., 463 Hirsch, B. E., 509 Hirsch, E., 525, 526 Hirsch, J. J., 342 Hirsch, S. R., 245 Hirshberg, S. B., 391 Hirst, M., 507 Hitchman, A. J., 507 Hiwatashi, A., 215, 498

Hjarth. M., 84 Hjelmstrand, I. L., 501, 504 Ho. M., 496 Hoag. M. S., 310 Hobden, A. H., 505 Hodge, H. C., 116, 118, 125. 127, 128 Hodges, P. C., 126, 127 Hodgson, S. F., 480, 481 Hodr. R., 383 Hoekstra, W. G., 257, 260, 265-67, 269, 270 Hoff, L. A., 527 Hoffman, D. R., 239 Hoffman, H. H., 532 Hoffman, J. L., 160, 264, 266 Hofmeyer, H. S., 107, 111 Hofvander, Y., 196 Hoist, A., 244 Hoirup, P., 283 Hokland, B., 419 Holick, M. F., 477, 496, 498. 499, 501, 504 Holick, S. A., 496 Hollander, D., 88 Hollenbach, E. J., 345, 364, 367 Holliday, M. A., 109 Holloway, P. A. H., 418, 435 Hollywood, R., 341 Holm, E., 184, 185 Holm, E. E. T., 310 Holm, T., 320 Holman, R. T., 76, 77, 340, 343, 345, 346, 348, 353, 357, 358, 360, 363-67, 548. 551 Holmberg. 1., 500, 504 Holme, D. W., 526, 528, 532, Hølmer, C., 346, 356, 361 Holmes, R., 351 Holst, W. F., 282 Holt. C., 54, 60 Holt, L. E. Jr., 54, 77, 141. 143, 437, 438 Holtzman, J. L., 271 Holub, B., 340 Holzworth, J., 545 Hong. R., 87 Honma, Y., 508 Hooper, C. A., 319 Hooper, E. M., 477, 478 Hoover, R. L., 344 Hopkins, C. C., 73 Hopkins, F. G., 141 Hopkins, G. J., 352 Hopkins, I. J., 465 Hopkins, L. L. Jr., 34, 35 Horder, M., 391 Horie. S., 361 Horiike, K., 460, 461 Horiuchi, N., 501, 503, 504

Horn, C., 225 Horn, G. W., 428 Hornblass, A., 191 Hornbrock, K. R., 268, 271 Horne, D. W., 394 Horne, S., 250 Horowitz, A. M., 116 Horowitz, H. S., 116, 128 Horowitz, S. P., 87 Horrobin, D. F., 84 Horsman, A., 475, 476, 478 Horst, R. L., 83, 498, 499, 503, 504 Horvath, A., 541 Horváth, C., 392 Horváth, C. G., 392 Horwitt, M. K., 264 Hoskins, T. H., 5 Hosoda, S., 267 Hossain, M., 476 Hötzel, D., 382, 388, 391, 392, 396 Houdebine, L.-M., 46 Houdková, V., 383 Hough. A. J., 85 House, E., 192, 195, 200 Houser, R. M., 287, 294-96, 309, 318 Houston, J. B., 221 Houtsmuller, U. M. T., 340, 341.551 Hove, E., 24 Howard, G. A., 496, 500, 504 Howard, J. B., 282-84 HOWARD, L., 69-99; 75, 85-88 Howard, R., 199 Howat, A. P., 118 Howling, D., 364, 366 Høy. C. E., 346, 356, 361 Hoyumpa, A., 223 Hozumi, M., 508 Hruska, K., 413, 421, 425 Hsieh, H. S., 261, 263 Hsu, C. M. L., 346, 350, 355, 360 Hsu, C. Y., 272 Hsu, P. T., 192 Hsu, S. C., 121, 122 Hu, C. Y., 107, 108, 112 Hu. S.-I.. 29. 30 Huang, H. S., 545 Huang, J. S., 299, 300 Huang, M.-T., 215, 217, 218 Huang, S. S., 299, 300, 385, 507 Huang, W. Y., 347, 351 Huang, Y. S., 84 Hubbard, S. C., 286 Hubbenet, M., 184, 185 Huber, R. E., 260, 264, 266-68 Hubert, C., 391 Hudson, H., 83

Huff, J. W., 25 Huffman, S., 49 Hughes, J. V., 161 Hughes, L. E., 87 Hughes, M. R., 504, 507 Hughes, W. A., 416, 441 Hume, D. M., 85 Hume, E. M., 184, 185 Humphreys, E. R., 532 Hunkeler, M. J., 222 Hunsaker, H. A., 170 Hunsaker, L. A., 477, 478, 483, 504 Hunt, C. D., 24 Hunt, L. P., 394, 395 Hunt, W. C., 477, 478, 483 Hunter, J. B., 160 Hunter, P. B. V., 116 Hunziker, W., 506, 507 Hurd, R., 392 Hurley, L. S., 530 Hurni, H., 524 Hurwitz, S., 504 Hurxthal, L. M., 478, 480 Hussaini, G., 184, 185, 192, 193, 195 Hussein, M. A., 143 Hutchinson, T. A., 475 Hutson, S., 303, 310, 315, 318 Hutson, S. M., 413, 419, 420, 422-26, 431, 432, 434, 435, 438 HUTT, P. B., 1-20 Hutton, J. C., 439 Hutzler, J., 418 Huxtable, R. J., 524, 541 Huynh, B. H., 30 Huysentruyt, P., 531 Hwang, D. H., 346, 347, 350. 353, 357, 364 Hyland, R. J., 216, 221

1

lami, K., 222 Ichihara, A., 410-12, 417, 418, 420, 425, 427-29 Ichihara, K., 461 Ichikawa, Y., 215, 498 Ichiyama, A., 546 Ide, T., 351 Idelman, A., 476 Idle, J. R., 220, 224 Igata, A., 381 Ihrke, P. J., 544, 550 Ikeda, M., 546 Ikeda, T., 412 Ikekawa, N., 508 Ikkos, D. C., 476 Ilic, V., 435 Ilsemann, K., 354, 355 Imai. H., 348, 351 Indermuhle, P., 478

Indrieri, R. J., 535, 542 Infante, P. F., 116, 118 Ingelman-Sundberg, M., 223 Ingenbleek, Y., 197 Ingle, J. D. Jr., 380, 382 INK, S. L., 455-70 Insogna, K. I., 476 Ioannides, C., 219-22 loppolo, A., 166 Ip. C. C. Y., 162-64, 272 Irakura, T., 86 Ireland, P., 476, 479 Irvine, G. B., 303 Irving, G. W. Jr., 144 Irving. J. T., 480 Irwin, M. I., 141, 142, 480 Ishii, H., 361 Ishii, K., 380, 381 Ishii, T., 396 Ishimoto, S., 499 Ishimura, Y., 167 Ishizawa, S., 396 Ishizuka, S., 499 Islam, M. N., 343 Islam, N. B., 343 Isler, O., 325 Ismail, I. A., 343, 344, 358. 362, 364 Ismail-Beigi, F., 108, 480 Isselbacher, K. J., 237, 238 Ito. A., 222 Itokawa. Y., 378-81 Ivatt, R. J., 286 Iverson, J. L., 341 Ivey, J. L., 474 Iwasaki, M., 84

Jackson, A. A., 77 Jackson, C. M., 284, 291 Jackson, D., 116 Jackson, F. E., 221 Jackson, H., 5 Jackson, H. C., 250 Jackson, H. D., 144 Jackson, R. L., 348, 351 Jackson, S. H., 126, 127 Jacob, H. S., 73, 174 Jacobs, H. L., 526, 527 Jacobs, M. M., 272 Jacobsberg, F. R., 365 Jacobson, J. S., 117 Jaenchen, R., 29, 30 Jakoby, W. B., 208, 213, 214, 216, 220 Jalan, K. N., 198 Jalowiec, J. E., 527 James, A. T., 364-67 James, G. W., 85 James, J. H., 145, 417, 439, 443

James, W. P. T., 428, 430, 431 Janda, J., 383 Jande, S. S., 507 Jandl, J. H., 174 Janke, J., 365 Jannsen, W. F., 6 JANSEN, G. R., 43-67; 44, 51-53, 58, 59, 533, 538 Jansen, M. J., 392 Jansson, B., 272 Jardine, I., 499 Jarnberg, P.-O., 127 Jarnigan, K., 508 Jarrah. A., 109 Jasso, F., 290 Jaworski, Z. F. G., 474, 480 Jaya Rao, K. S., 410 Jee. W., 481 Jeejeebhov, K. N., 69, 70, 76, 77, 82-85 Jescoate, C. R., 500 Jefferson, L. S., 434, 439 Jekat, F., 141 Jelliffe, D. B., 43, 44, 54, 55 Jelliffe, E. F. P., 43, 44, 54, 55 Jenkin, H. M., 343 Jenkins, A. S., 121, 128 Jenkins, G. N., 116, 120, 121, 125, 128 Jenkins, K. J., 259 Jenkins, O. C., 116 Jenkins, T. G., 109 Jenkins, W. T., 411, 413 Jenness, R., 530 Jensen, A. H., 143 Jensen, B., 345, 349 Jensen, J. S., 473 Jensen, R. G., 341, 343, 358, 364 Jeremic, V., 461 Jerina, D. M., 218 Jerpbak, C. M., 476 Jesse, B. W., 150 Jewell, S. A., 221 Ji, S., 215, 216 Jiang, N.-S., 475 Jie. M. L. K., 343, 365 Jimenez, A., 118, 120, 121 Johansen, E., 116 Johansson, B. M., 342 Johansson, I., 223 Johansson, S. G. O., 249, 250 Johnson, B. C., 284, 291, 295, 296, 302 Johnson, C. L., 478, 479 Johnson, D. E., 102, 104, 107, 112, 533, 538 Johnson, E. F., 217 Johnson, G., 76 Johnson, G. F., 544 Johnson, G. H., 481, 484

Johnson, H. L., 391

Johnson, H. V., 291

Johnson, I., 394 Johnson, J. E., 141 Johnson, J. H., 456 Johnson, J. L., 85 Johnson, R. A., 85 Johnson, R. C., 159 Johnson, R. J., 167 Johnson, S. B., 77, 346, 364, 365 Johnson, T. C., 161 Johnson, W. A., 414, 415, 441 Johnson, W. C., 77 Johnston, C. C., 478, 479 Johnston, C. C. Jr., 474, 476 Johnston, J. E., 121, 128 Johnston, M. F. M., 287, 289 Jolley, R. L., 385 Jolly, W. W., 419, 423 Jones, A. L., 236, 237, 268 Jones, C. S., 59, 61 Jones, C. T., 84 Jones, D. P., 216, 224 Jones, G., 82-84, 499, 501, 504 Jones, J. B., 265 Jones, J. P., 285, 288, 290. 294, 295, 303, 318, 321 Jones, K. W., 117 Jones, M. E., 149, 537 Jones, M. R., 143, 144 Jones, P. E., 4, 394 Jones, P. R., 342, 351 Jones, R. T., 239, 354, 355, 362 Jones, T. C., 545 Jongeling-Einjndhoven, J. M., 117, 119 Joplin, G. F., 479, 480 Jordaan, E., 111 Jorgensen, G. N., 45 Jorgensen, M., 293 Jorgensen, M. J., 292 Jose, M. L., 505, 507 Josephson, B., 141, 142 Jowsey, J., 481 Joyce, C. L., 482 Joyner, A. E., 110 Juan, D., 501, 504 Juchau, M. R., 222 Judd. H. J., 475 Jung. A., 383 Jung. G., 267, 268 Jung, K., 391 Juttla, S., 546

r

Kaczmarek, M. D., 380 Kade, C. F. Jr., 534 Kadlubar, F. F., 218 Kadowaki, H., 411, 412, 418 Kaduce, T. L., 363 Kagawa, Y., 352 Kaihara, M., 547 Kaiser-Kupfer, M. I., 149 Kajimoto, L., 52 Kallfelz, F. A., 507, 543 Kalouskova, J., 263 Kaitenbach, J. P., 175 Kamataki, T., 224 Kameda, K., 365 Kamel. W. W., 192 Kamikawa, E. M., 536, 537 Kamin, H., 439 Kaminsky, L. S., 208, 210. 215. 224 Kamio, A., 348, 351 Kamp. D., 174 Kanabus-Kaminska, J. M., 296 Kanai, M., 545 Kanarek, R., 525 Kanarek, R. B., 525-27, 529 Kane, E., 524-29, 532, 544, 550 Kang-Lee, Y. A., 143, 144. 385, 386 Kangarloo, H., 83 Kanto, U., 48 Kapa, E., 541 Kaplan, E. L., 481 Kaplan. J., 466 Kaplan, R. A., 501 Kapoor, K., 118, 122 Kappas. A., 219-23 Kappel, W. K., 296, 299-302. 306, 307 Karaman, C., 507 Karawya, E., 461 Kari, F. W., 146, 147, 149 Kark, J. A., 465 Kark, R., 323 Karl, I. E., 422, 427, 441 Karle, J. A., 259 Karney, R. I., 355, 357 Karnovsky, M. J., 344 Kasahara, N., 84, 86 Käser, H., 423 Käser, R., 423 Kashiwagi, T., 215 Kasper, C. B., 213, 218 Kasten, P. M., 499 Kasvinsky, P. J., 462 Kataoka, K., 396 Katayama, H., 163 Kato, R., 219, 224 Katz. J., 283 Katz. R. S., 174 Kauffman, F. C., 215, 217, 219, 220, 223, 224 Kaufman, D. G., 221 Kaufman, H. S., 250 Kaufman, L. W., 525 Kaufman, N., 170 Kaufman, S., 158, 159, 162

Kaufman, W., 525

Kaufmann, H. P., 357

Kaufmann, N. A., 378, 382, 482 Kauli, R., 509 Kawabata, T. T., 215 Kawai, C., 380 Kawal, M., 295 Kawasaki, T., 380, 381 Kawashima, H., 501, 504 Kawashima, K., 509 Kay. R. G., 84 Kazarinoff, M. N., 458, 461 Keane, J. M., 145, 443 Keating, J. P., 87, 88 Keen. C. L., 530, 544 Keeney, M. 342, 352 Keesling, P. T., 547 Keevil, T., 209 Kelly, A., 352 Kelly, P. A., 46 Kelly, P. J., 478, 480 Kemmerer, A. R., 166, 168, 169, 442 Kendall, P. T., 530, 532-34 Kendrick, N. C., 505 Kennan, A. L., 498 Kennaway, N. G., 149 Kennedy, M. W., 215 Kennedy, T., 353 Kenny, A. D., 501, 502, 504 Kenyon, G. L., 174 Kenvon, K. R., 186, 187, 189 Kere. M. R., 158 Kerkay, J., 394 Kernek, C. B., 472 Kerr. G. R., 169 Kertcher, J. A., 386, 394 Keston, A. S., 144 Keutmann, H. T., 524, 525 Keywood, E. K., 543 Khairallah, E. A., 421 Khairi, M. R. A., 474 Khan, M. A. R., 57 Khan, N. A., 352 Khatra, B. S., 423, 425, 427, 431, 442 Khor, H. T., 352 Khoury, G., 194, 199 Khrapova, N. G., 321 Kice, J. L., 261 Kido, R., 167 Kieckens, L., 378, 379 Kielanowski, J., 111 Kien, C. L., 85, 87 Kienholz, E. Q., 480 Kiewitt, 1., 355, 361 Kihlberg, R., 143 Kiker, K. W., 264 Kilberg, M. S., 440 Kim. Y., 482 Kimber, R. J., 394 Kimmel, K., 392, 396 Kimura. M., 378-81 King, J., 125, 127, 128

King, J. C., 268, 272 King, K. Jr., 311 King, M. W., 506 Kingman, A., 116, 128 Kinney, J. D., 170 Kinney, J. M., 411, 433, 434 Kinney, V. R., 478, 480 Kinsella, J. E., 340, 345-47, 350, 353, 357, 364 Kinser, C. A., 122, 125, 128 Kintner, R. R., 116, 118, 122, 123 Kintzer, P. P., 544 Kipfer, R. K., 290 Kipnis, D. M., 422 Kirby, G. W., 304 Kirchgessner, M., 26-28 Kirchner, S. A., 85 Kirk, J. R., 387, 388, 457 Kirksey, A., 464 Kirsch, W. M., 287 Kirsner, J. B., 236 Kirstaponis, J., 293, 294 Kirstein. D., 346, 361 Kishi, H., 86, 391 Kishi, T., 391 Kittler, J. M., 390, 463 Kiyoki, M., 509 Kizer, D. E., 224 Kielgaard, N. O., 461 Kjellman, N. I. M., 250 Kjosen, B., 378, 379 Klangkalya, B., 465 Klasing, K. C., 436, 438-40 Klaus, M., 56 Klausner, R. D., 344 Klavins, J. V., 170 Kleiber, M., 101, 102, 106 Kleiman, D., 90 Klein, D. C., 525 Klein, G. J., 431 Klein, G. L., 60, 82-84 Klein, R. G., 141 Kleiner-Bosaller, A., 499 Kleinman, R., 251 Kleiss. A., 283 Kleoppel, J. W., 345 Klibanski. A., 478 Kloepper. R., 295, 306, 307 Klosse, J. A., 380 Klurfeld, D., 351 Knapp, D. R., 496 Knauer, C. M., 237 Knauer, T. E., 309 Knauss, T., 524 Knecht, J., 30 Knight, D. C., 421 Knight, E. J., 237 Knipe, J. O., 392 Knobloch, E., 383 Knochel, J. P., 74 Knopf. K., 139 Knopf, R. F., 410, 439

Knott. P. J., 167 Knowlton, M., 118, 123 Knox, K. L., 533 Knox, W. E., 159, 411, 412, 418 Knudsen, K. E. B., 165 Knutson, J. C., 500, 504, 507 Kobayashi, K., 144 Kobayashi, T., 496 Kobayashi, Y., 508 Kobric, M., 147 Kobylka, D., 295 Koch, G., 116, 125 Koch, M., 379 Kochetov, G. A., 378 Kodicek, E., 499, 500, 504, 505 Koe, B. K., 159 Koehler. R. A., 423 Kofranyi, E., 141 Kogbe, O. I., 199 Kohler, E., 87 Kohno, M., 351 Koide, A., 462 Koishi, H., 77 Kokkeler, S. C., 390 Kokubu, H. L., 245 Kondo. T., 463 Kong. M., 477 Konheiser, U., 29, 30 Konikoff, B. S., 121, 126, 128 Konishi, Y., 412 Konno. K., 508 Koogler, J. M. Jr., 389 Koong, L. J., 47, 52, 107, 109. 111 Koop, D. R., 210, 217, 223 Kopple, J. D., 77, 141-44, 146 Korenman, S. G., 475 Korsan-Bengsten, K., 320 Koski, S., 477, 479 Kosman, A. J., 526 Kostial, K., 481 Koulourides, T., 121 Kowalyshyn, D. E., 364 Koyama, E., 411 Kraft, S. C., 237, 240 Kramer, L., 116, 118, 122, 123, 125, 127, 128 Kramer, R., 501, 504 Kramer, S. S., 85 Krämer. U., 382 Kraml, M., 386 Kraner, H. W., 117 Kraszewski, A., 475 Kratzer, F. H., 174 Kraus, R. J., 265, 268 Krause, G. F., 142 Kream. B. E., 505, 507 Krebs, E. G., 462

Krebs, H. A., 184, 185, 413,

422, 428, 434

Krehl, W. A., 530

Krenzer, B. E., 86

Krepkogorsky, L. N., 118, 122 Kretsch, M. J., 387, 388 Kridakorn, M. R., 118 Kriebel, C. W., 240 Krieter, P. A., 215 Krinke, G., 466 Krishnarao, G. V. G., 481 Kritchevsky, D., 340, 351, 364 Kroger, A., 30 Kromer, G. W., 340, 341 Kronemann, H., 27 Kronenberg, H., 394 Krook, L., 478, 480, 481, 507, 543 Kropatkin, M. L., 310 Kruger, H.-J., 30 Kruger, S. F., 292, 293 Krumdieck, C. L., 392, 393 Krumdieck, R., 392, 393 Kruse, J. R., 498, 499 Krzysik, B. A., 428, 431 Kuba, K., 350 Kubasik, N. P., 394 Kubo. K., 77 Kuczala, Z. J., 394, 395 Kudsk. K. A., 73 Kuhn, N. J., 51, 59 Kuitunen, P., 251 Kuivimen, J., 342 Kuksis, A., 69, 70 Kumar, A., 462 Kumar, R., 323, 478, 498, 499, 503, 504 Kumar, S., 462 Kuming, B. S., 192 Kummerow, F. A., 340, 342, · 345-48, 350, 351, 354, 355, 360 Kum-Tatt. L., 382 Kuntzman, R., 220 Kuranstin-Mills, J., 465 Kurata, N., 346 Kurian, C. J., 341 Kurian, R., 76, 84 Kuribayashi, T., 508 Kuriyama, M., 381 Kurland, L. T., 472 Kuroda, K., 463 Kurokawa, K., 501, 504 Kushelevsky, A., 476 Kustner, H., 241 Kute. T., 273 Kutnink, M. A., 385, 387, 388 Kuttner, M., 507 Kwan, S. K., 305 Kwong, E., 52

LaDu, B. N., 169 Lacy, W. W., 417, 421, 423, 425, 434, 437, 438 Ladenstein, R., 267-69, 271 Laine, D. C., 350 Laitinen, M., 219, 220, 346 Lakdawala, D. R., 118 Lakdawala, N., 245 Lakshmi, V., 299 Lal, K. K., 267 Lala, V. R., 198 Laliberte, R. E., 306, 310 Lalich, J. J., 172-74, 348, 351 Lambert, G. F., 141 Lambert, P. W., 476, 477, 498 Lamison, S. A., 480 Lancaster, J. R. Jr., 29 Lands, W. E. M., 344, 362, 363 Lane, H. W., 85 Lane, J. D., 159, 160, 162 Lane, J. M., 270 Lang, M., 220, 346 Langeland, T., 239 Langeluttig, S. G., 502 Langenbeck, U., 159, 160, 162, 435 Langer, B., 69, 70 Langham, L., 461 Lankelma, J., 392 Lanser, A. C., 343, 355, 357, 359, 367 Lapin, I. P., 167 Lardy, H. A., 144 Larkins, R. G., 501, 504 Larsen, M. J., 125-27 Larsen, R. H., 125-27 Larsen, S., 165 Larson, A. E., 268, 303-7, 318 Larson, B. L., 44, 45, 59 Larsson, L., 477 Latham, M. C., 192, 195, 199 Latimer, J. S., 84 Lau, K. S., 410, 414-17, 426, 431, 441 Lauber, E., 54 Laux, D. C., 294 Lavender, O. A., 85 Lavergne, J. M., 290 Lawhorn, B. K., 394 Lawler, G. S., 481, 484 Lawrence, R. A., 269, 270 Lawrenz, M., 127 Lawrie, N. R., 198 Lawson, D. E. M., 477, 499, 505, 507, 509 Lawson, J., 394 Lawson, L. D., 340, 345, 348, 357, 360, 364, 365 Lawson, M. E., 295 Lawson, R., 416 Lazenby, M. E., 176 Leach, R. M. Jr., 25, 86 Leahy, J. S., 547 Leathers, V. L., 509 Leathwood, P. D., 411 Lechat, M. F., 192

Lechtig, A., 49

Leck, J. B., 318, 319 Lee, C. J., 481, 484 Lee, D. S. W., 28, 30 Lee, F. C., 295, 296, 299, 300, 306-8 Lee, J. J., 316 Lee, J. R., 116 Lee, L. C., 295 Lee, M., 259 Lee, S. W., 476, 507 Lee, W. A., 122, 125 Lee, Y., 240, 241 Lefevere, M. F., 308, 325 LeFrancois, P., 198 LeGall, J., 29, 30 Legg, M. A., 545, 546 Lehman, L., 125-27 Lehmann, D., 524 Lehmann, J., 341 Lehr, R. E., 218 Lehrman, S. R., 295, 299-302 Leichsenring, J. M., 480 Leichter, J., 392 Leim, A., 212 Leinert, J., 388, 391 Leinster, S. J., 87 Leklem, J. E., 388, 390, 455, 460, 462, 464, 546 Lemann, J. Jr., 82, 485 Lemasters, J. J., 215, 216 LeMevel, A., 396 Lemmon, S. K., 415 Lender, M., 472 Lentini, E. A., 545 Leonard, A. G., 477, 478 Leonard, G. J., 116, 125 Leone, N. C., 122, 125 Leong, L. S., 310 Leong, P. C., 186 Leoschke, W. L., 538 Lerner, S. R., 394 Leskovas, V., 461 Lesser, G. V., 478, 480 Lessin, L. S., 465 Lessof, M. H., 250 Lester, E., 477, 483 Lester, G. E., 496 Lester, R., 215 Lestradet, H., 423 Leung, P. M. B., 524-26, 528, 529 Leunis, J. C., 379 Levan, L., 499 Levander, O. A., 263, 264, 268, 270, 272 Leveille, G. A., 43, 44, 341 Levenson, J. L., 87 Leverett, D. H., 115, 116 Levi, A. J., 395 Levin, W., 218, 224 Levine, M. M., 198 Levinski, R. J., 249

Levy, G., 221

Levy, H. A., 220 Levy, H. L., 171 Levy, L., 144 Levy, R. I., 350 Levy, R. J., 294 Lewin, I., 480 Lewis, A. F., 472 Lewis, A. J., 49 Lewis, A. M., 476 Lewis, C. M., 394 Lewis, L. D., 543 Lewis, M. H., 87 Leybin, L., 125, 127, 128 Leyhausen, P., 525 Li, E. T. S., 411 Li, J. B., 439 Li, T.-K., 212, 388, 460-64 Lian, J. B., 284, 293, 294 Liang, S.-C., 160 Liberman, U. A., 509 Lida, Y., 84 Lie, J. T., 85 Lieber, C. S., 223 Lieberherr, M., 509 Liebler, D. C., 210 Liebman, H. A., 293 Liebman, W. M., 87 Light, R. F., 320 Lightfoot, A. L., 53 Lightly, F. S., 357 Liljenquist, J., 417 Lim, K. L., 387, 388 Lindeman, R. D., 82 Lindemans, J., 394 Lindenbaum, J., 87, 396 Linder, P. W., 31 Lindholm, S., 239 Lindsay, D. B., 410, 531 Lindsay, R., 475 Link, K. P., 310, 316 Linkswiler, H., 141, 142, 464 Linkswiler, H. M., 390, 482 Linzell, J. L., 54, 58-61 Lipinski, B. A., 476 Lippel, K., 358 Lippmann, W., 147 Lipsky, J. J., 319 Lipton, D. E., 541 Lipton, M. A., 159 Lisnen, H. R., 300 Liszewski, M. K., 287, 289 Little, C., 267, 268 Little, J. A., 340 Little, N. A., 351 Littledike, E. T., 498, 499 Litvak, J., 480 Litwack, G., 466 Liu, Y. K., 395 Livesey, G., 420, 421, 423-26 Ljungdahl, L. G., 29, 30 Ljungdahl, P. O., 29, 30 Ljunggren, M., 221, 315 Ljungqvist, B., 54

Llach, F., 509 Llerina, L. A., 475 Llobet, J. L., 245 Lloyd, J. K., 88 Lo, G. S., 159, 160 Lo, K. J., 293 Lo, M.-T., 222 Lobban, M. C., 524 Lockhart, H. B., 141 Loeper, J., 32 Loeschke, W. L., 144 Lofgren, G. P., 110 Lohman, T. G., 348, 351 Londowski, J. M., 499 Lonergan, M. E., 464 Long, D. M., 116 Longdon, R. G., 222 Longenecker, J. B., 159, 160 Longland, J. E., 395 Longo, D. L., 394-96 Longton, E. B., 477, 483 Longwell, J., 122, 124 Lonnerdal, B., 54, 55, 57, 530 Lonsdale, D., 378 Loo, Y. H., 160 Lopez, H., 127 Lopez, S. M., 198 Lorenc, R., 501, 504 Lorenc, R. S., 500, 504 Lorenze, E. J., 478 Lorusso, D. J., 318 Loschen, G., 269 Lotter, S. E., 383, 384 Love, A. H. G., 464 Lowe, J. S., 545 Lowenstein, J. M., 422 Lowry, S. F., 76, 86 Lowry, W., 496 Lozner, E. L., 323 Lu, A. Y. H., 208, 210, 215, 217, 218, 220, 224 Luall, A., 480 Lub, J., 173, 174 Lucas, S. M., 125-27 Lucia, S. P., 323 Lucy, J. A., 262, 268 Luginbuhl, H., 545 Lugtenburg, J., 306, 307 Lui, A., 388, 460, 462 Lüjthje, J., 430 Lumb, G. A., 507 Lumeng, L., 388, 460-65 Lumholtz, B., 501, 504 Lund, Bi., 501, 504 Lund, Bj., 501, 504 Lund, M., 312 Lund, P., 413, 420, 423-26 Lunn, P. G., 50, 56 Luntao, E., 501, 504 Luoma, H., 127 Lusk, G., 103, 106 Luttenegger, D. G., 352 Lutwak, L., 478, 480

Lyles, K. W., 501, 504 Lyon, E. S., 214 Lyons, D. E., 265 Lyons, M. F., 391

M

Maassab, H. F., 144, 145, 148 Macara, I. G., 35 MacAuley, S., 504 MacAuley, S. J., 501, 504 MacChesney, T., 73 MacCorquodale, D. W., 282 MacDonald, A. M. G., 117 MacDonald, M. G., 224 MACDONALD, M. L., 521-62; 543, 548-53 MacDonald, P. C., 475 Macdonald, T. L., 210 MacFadven, B. S. Jr., 85 MacFadyen, E. E., 120 MacGillivray, R. T. A., 284-86 Machle, W. F., 118, 122, 125, 128 MacIntyre, I., 478, 501-4 Mack, D. O., 295, 296 MacKenzie, J. W. A., 250 Mackenzie, W., 185 Mackin, J., 343, 349, 356 MacLaughlin, J. A., 496 MacLean, A., 475 MacLennan, W. J., 477 MacManus, E. P., 192, 199 Madhabananda, S., 506, 507 Madhavan, T. V., 219 Madhavapeddi, R., 49 Madhok, T. C., 500 Madsen, N. B., 462 Maeda, N., 461 Maggio, E. T., 174 Magil, S. G., 26 Magliola, L., 502 Magnus, E. M., 394 Magnusson, S., 282-85 Mahalanabis, D., 198 Mahan, C. S., 392, 464 Mahan, D. C., 47, 48, 53 Maher, M. M., 86 Maheshwari, U. R., 125, 127, 128 Mahfouz, M. M., 340, 364-66 Mahn, F. P., 392 Mahuren, J. D., 387, 463 Mai, J., 345, 346, 350, 357, 364 Mai, J. B., 345, 350 Maire, B., 198 Maire, C. E., 387, 463 Maitra, T. K., 198 Makagawa, I., 52 Maki, D. G., 74 Makin, M., 472 Malagelada, J. R., 75

Malaisse, W. J., 439 Malhotra, O. P., 546 Maller, O., 527 Mallette, L. E., 421, 423 Malloy, M. H., 77 Maloney, N. A., 83 Malzer, J. L., 481, 482 Manake, H., 84 Mancusi, J. J., 415, 430, 432, 435 Mandel, H. G., 191 Mandell, R., 149 Mangan, J. L., 138, 147 Mangan, L. T., 47 Mankel, G., 357 Mann, F. D., 308 Mann, J. D., 308 Mann, K. G., 284 Mannering, G. J., 224 Mannervick, B., 266 Manning, J., 5 Manning-Dalton, C., 50 Manolagas, S. C., 507-9 Manos, P. N., 415 Mansbach, L., 394, 395 Mansdorf, W., 243 Manson, J. A., 410 Manusselis, C., 396 Maoz, A., 504 Maraghy, S. E., 197 Marayama, K., 176 Marble, R., 283 Marcel, Y. L., 359 March, B. E., 320 Marchand, C. M., 362 Marche, P., 507 Marchesini, G., 434, 439 Marcus, C. J., 214 Marcus, F. I., 320 Margen, S., 82, 125, 127, 128, 142, 146, 482 Marie, P., 504, 509 Marier, J. R., 116, 118, 123 Markham, G. D., 174 Markham, P., 5 Märki, F., 315 Markowitz, M., 481 Marlar, R. A., 283 Marliss, E. B., 84, 85, 421 Marnett, L. J., 212 Marquet, A., 302, 305 Marquet, J., 396 Marr, J. S., 243 Marselos, M., 219 Marsh, A. G., 480, 482 Marsh. R. F., 165 Marshall, D. H., 476, 478 Marshall, G. R., 295 Marshall, M. V., 272 Marshall, W. J., 220 Marthaler, T. M., 121 Martin, D. J., 118

Martin, J. L., 264

Martin, M. V., 210, 215 Martin. P., 524 Martin, S. L., 299, 306 Martin, T. J., 501, 504 Martin-Requero, A., 416 Martinez. C., 56 Martinez, O., 392 Martinovic. J., 291 Martius. C., 282, 302, 315 Mashman, J. H., 243 Maso. M., 218 Mason. B. S., 341 Mason, H. S., 209 Mason, K. E., 321 Mason, M., 144, 145, 148 Mason, R. P., 271 Mason, R. S., 507 Masson, M., 361 Massry, S. G., 482, 509 Masuji, H., 411, 412 Mathews, K. P., 241 Mathias, M. M., 347, 353 Mathieu, H., 496 Mathur, S. N., 363 Matkovic, V., 481 Matschiner, J. T., 290, 305, 306, 308-10, 312, 318, 320, 325 Matsuhisa. T., 118 Matsui, M. S., 392 Matsuki, S., 396 Matsumoto, T., 501, 503, 504 Matsumura, T., 380 Matsuyama, H., 459 Matthaei, D., 423, 435 Matthews, D. C., 90 Matthews, D. E., 413, 421. 425, 427, 434, 441 Matthews, V., 352 Mattock, P., 283 Mattox, V. R., 475 Mattson, F. H., 343 Maule, M. M., 464 Maule-Walker, F. M., 58 Maulitz, R. M., 243 Mautalen, C. A., 480 Maxon, H. R., 395 Maxwell, J. P., 197 May, C. D., 240, 241, 243-45 May, M. E., 415, 416, 430, 432, 435 May, P. M., 31 Mayer, E., 498, 499 Mayer, R. J., 46 Maynard, E. A., 116 Maynard, E. P., 85 Mayor, G. H., 480, 482 Mayou, M. S., 186 Mazess, R. B., 473, 474 McAllister, C. G., 294 McBurney, A., 309, 316 McCain, T. A., 83

McCalin, C. J., 87

McCall, J. T., 85 McCance, R. A., 480 McCartney-Francis, N. L., 245 McCay. P. B., 268, 271 McClain, C. J., 84 McClendon, J. F., 125 McClure, F. J., 118-20, 122. 123, 125, 128 McCollum, E. V., 184 McComish, M., 392 McConkey, C. L. Jr., 507 McConnell, K. P., 160, 259, 263, 264, 266, 273 McConomy, J., 174, 175 McCord, J. M., 271 McCormack, L. J., 272 McCormick, D. B., 458, 460. 461 McCoy, E. E., 461, 463 McCoy, J. R., 530, 533 McCulley, J. P., 191 McCulloch, J. C., 138, 149 McDonald, A. T., 77 McDonald, B. E., 340 McDonald, J. E., 476 McDonald, J. T., 125, 127, 128 McDonnell, H., 477 McDonnell, J., 378 McDonough, M., 352 McElhaney, R. N., 344 McEniery, T. M., 116 McEvov. D., 394 McFarlane, I. G., 428, 430 McFarlane, W. D., 282 McGanity, W. J., 186 McGill, D. B., 70 McGown, E. L., 378, 394 McGraw, J. Y., 348, 351 McGregor, I. A., 383 McHargue, J. S., 24 McInness, R. R., 138, 149 McIntosh, J. E., 507 McIntyre, P. A., 386, 390, 394, 463 McKay, F. S., 122 McKee, R. W., 282, 385, 386 McKenzie, A. D., 117 McKenzie, J. M., 85 McKenzie, R. L., 270 McLaren, D. S., 186, 188, 190. 192, 194, 195, 198, 199 McLaughlin, M., 477, 483 McLean, A. E. M., 220 McLean, J. G., 548-51, 553 McLean, M. S., 162 McMartin, D. N., 224 McMartin, K. E., 392, 393 McMenamy, R. H., 417, 423 McMillan, G. C., 348, 351, 357, 361 McMurry, F. B., 525 McNair, P., 475 McNamara, J. P., 61

McNee, S. G., 120, 121, 128 McNeil, S. C., 496 McNurlan, M. A., 51, 411, 439 McSharry, W. O., 392 McTigue, J. J., 295 Meade, R. J., 143 Meadows, G. G., 389 Medhen, A. M. G., 186 Medina, D., 272 Meeks, R. G., 288 Meema, H. E., 475 Meema, S., 475 Meffin, P. J., 309 Meguid, M. M., 77, 427, 441 Mehansho, H., 457-62, 465 Mehta. R., 464 Meijer, A. J., 173 Meijer, J. H., 25 Meikle, A. W., 431 Meiske, J. C., 106 Meisler, N. T., 463, 466 Meissner, H. H., 107, 111 Meister, A., 217 Mejia. L. A., 193, 199 Mejia, R., 121 Melamed, E., 411 Melcher, F. W., 341, 342 Meldrum, D. R., 475, 478 Melliere, A. L., 143 Mellon, M., 250, 251 Mellon, W. S., 507 Melsen, B., 116, 128 Melton. L. J., 472 Melton, L. J. III, 472-74 Menczel, J., 472, 480, 507 Mendez, J., 197, 198 Meng, H. C., 73, 86, 87 Mengel, C. E., 172 Menkin, V., 529 Menon, N. K., 355, 360 Mepham, T. B., 59, 60 Meranze, D. R., 352 Mercier, J. C., 45 Merke, J., 509 Merrill, A. H. Jr., 218, 460, 461 Merrill, J. C., 167 Menz, E. T., 144 Mertz, W., 344, 350, 354 Messenger, D., 382 Messer, H. H., 26 Messer, L. B., 116, 119 Metcalfe, D., 239 METCALFE, D. D., 233-55; 245 Metivier, V. M., 186 Metzler, D. E., 462 Meurman, J., 127 Meyer, M. E., 121, 125 Meyer, P. D., 84 Meyer, R. G., 296, 299, 300, 306-8 Meyer, U. A., 220

Meyers, R. J., 116, 128 Mezzetti, G., 505 Michaels, S. E., 116, 125 MICHALEK, A. V., 69-99 Michaud, D. P., 218 Michels, H., 106 Mickelsen, O., 480, 482 Middleton, C., 552 Middleton, H. M. III, 456, 457, 460 Midgett, R. J., 83, 84, 499, 500, 504 Midy, C., 193, 195 Mihich, E., 466 Miles, J. M., 421, 423, 425 Milhaud, G., 478 Milhorat, A. T., 316 Millard, S. A., 159 Miller, A. B., 352 Miller, C., 76 Miller, E. C., 208, 210, 212, 218 Miller, J. A., 208, 210, 212, 218, 295 Miller, L. L., 417 Miller, L. T., 390, 460, 462 Miller, M., 143 Miller, M. S., 383, 384 Miller, N. L., 60, 83 Miller, O. P., 25 Miller, R. E., 210 Miller, R. F., 127 MILLER, R. H., 409-54; 423 Miller, R. H. Jr., 382, 423 Miller, S., 13 Miller, S. A., 530, 533, 534 Milligan, L. P., 107, 108 Mills, G. C., 267-69 Mills, J. H. L., 466 Millward, D. J., 44, 51, 413, 425, 434 Milne, D. B., 26, 33-35 Milne, J. S., 464 Milne, M. L., 500 Milner, C. R., 378, 379 Milner, J. A., 58, 144-46, 149, 150, 272, 536 Milstrey, R., 257 Mimura, T., 428, 429 Minakami, S., 459 Mintz. H., 87 Miranda, C. L., 221 Miravet, L., 504, 509 Mirvish, S. S., 221 Mishkel, M. A., 341 Misra, H. P., 271, 303 Mitch, W. E., 294, 425, 428, 441 Mitchell, A. D., 173 Mitchell, G. A., 394, 395 Mitchell, H. H., 125, 127, 128, 144 Mitchell, J. R. Jr., 143

Mitchell, M. C., 223 Mitsuda, H., 389 Miwa, G. T., 210, 215, 217, 218 Miyaura, C., 505, 508 Miyazaki, K., 385 Mizuguchi, T., 347, 351 Mizuhara, S., 540 Mizuno, K., 496 Mock, D. M., 87 Moe. P. W., 46, 107, 108, 111 Moffat, K., 507 Moghee, J. R., 121 Mohanty, D., 396 Mohr. H. E., 34, 35 Mohr, I., 121, 126 Mohrhauer, H., 346, 551 Moldeus, P., 216, 217 Molke, R. E., 543 Mollison, G. S., 109 Monger, E. A., 548-51, 553 Monroe, L. S., 237 Monte, W. C., 52, 53 Montgomery, R. D., 476 Moon, N. F., 472 Moon, R., 58 Moon, W., 481, 482 Moore, C. E., 346, 348, 355, 357, 361, 367 Moore, R. M., 529 Moore, T., 198, 545 Moore-Ede, M. C., 524 Moorecroft, B. J., 341 Mor. E., 507 Moran, J. K., 25, 33 Morehead, R. P., 176 Morgan, B. L. G., 47, 48, 485 Morgan, E. T., 223 Morgan, H. E., 439 Morgan, R. W., 352 Morgane, P. J., 526, 527 Moriarity, D., 505 Morino, Y., 461 Morishita, S., 159, 162, 163, 165, 166, 168 Morisue, T., 461 Moroz, L. A., 239 Morris, H. R., 282-84, 378, 499 MORRIS, J. G., 521-62: 144. 145, 150, 523-32, 535-37, 539, 542-44, 547-53 Morris, L. J., 364-67 Morris, M. L., 530, 541 Morris, R. S., 343 Morris, V. C., 270 Morrisett, J. D., 348, 351 Morrison-Scott, T. C. S., 522 Morrissey, J. J., 288, 290 Morrissey, R. L., 507 Morse, E. L., 431 Mortensen, E., 394 Mortimore, G. E., 411, 419, 439

Morton, D. J., 423 Morton, K. C., 218 Morton, R. A., 545 Moruzzi, M. S., 505 Moser, B. D., 49 Moser. P. B., 270 Moss, D. W., 391 Moss, G. S., 466 Most, A. S., 421 Motil, K. J., 425 Motsenbacker, M. A., 273 Moukhtar, M. S., 478, 506 Mounts, T. L., 357, 367 Moura, I., 29, 30 Moura, J. J. G., 30 Mouraud, E., 396 Mowaty, M., 273 Moxley, R. T., 434 Mrklas, L., 127 Mrochek, J. E., 385 Mucklow, J. C., 220 Mudd. S. H., 171, 465 Mugford, R. A., 524-27 Muhilal, H., 184, 185, 197-200 Muhlemann, H. R., 121 Muhler, J. C., 116, 118, 125, 127 Muiruri, K. L., 532 Mukherjee, K. D., 354, 355, 361 Mukherjee, K. L., 198 Mukhtar, H., 221 Mulholland, J., 378 Mullan, B., 480 Mullen, J. L., 90 Muller, D. P. R., 88 Müller, E. M., 50, 55, 383 Muller, H., 378 Muller, I., 268, 269 Muller, J. M., 90 Muller-Eberhard, U., 217 Muller-Enoch, D., 220 Müller-Mulot, W., 380, 382 Mulloy, A. L., 146, 147 Munan, L., 352 Munday, M. R., 45, 51 Munn, R. J., 342, 352 Munns, T. W., 287, 289, 290, 299 Munro, H., 140 Munro, H. N., 434 Munson, L., 243 Munson, T. O., 545 Muramatsu, K., 159, 162, 163, 165, 166, 168 Murawski, U., 365 Murdock, D. S., 380 Murphy, M., 112 Murphy, M. G., 362

Murray, E., 143

Muth, O. H., 273

Murray, T. M., 82-84, 507

Myers, H. M., 116, 128

Myking, O., 219 Myron, D. R., 35 Myrtle, J. F., 499, 500 Myrvik, Q. N., 238

Na-Nakorn, S., 395 Nagarajan, K., 30 Nagata, K., 463 Nagubandi, S., 499 Naing, K. M., 54, 55 Naismith, D. J., 47, 48, 50, 53 Naito, H. K., 380, 383 Nakagawa, I., 144 Nakai, R., 476, 477 Nakamura, K., 162, 163 Nakamura, S., 546 Nakamura, W., 267 Nakano, K., 462 Nakao, T., 320 Nakayama, K., 499 Nalin, D. R., 198 Nanda, R. S., 118, 122, 124 Nanri, H., 459 Napoli, J. L., 498, 499, 504 Narbaitz, R., 506, 507 Nardacci, N. J., 285 Naruchi, T., 509 Nasset, E. S., 141, 142, 144 Nath, B. J., 396 Nath, L. M., 191, 196 Navia, J. M., 127 Nayal, A. S., 477 Nazaruk, M., 394 Nazir, D. J., 341 Neal, R. A., 218 Neale, R. J., 430, 431 Nebert, D. W., 215, 224 Neer, R., 478, 479 Neer, R. M., 477-79 Neilson, G., 378 Nelp, W. B., 478 Nelsestuen, G. L., 282-84, 288, 289, 291 Nelson, D. A., 547 Nelson, J. S., 87, 88 Nesbitt, G. A., 85 Nesheim, M. C., 25 Neuhoff, V., 159, 160, 162 Newberne, P. M., 219, 352 Newbrun, E., 116, 125, 127, 128 Newman, C., 463

Newman, R. A., 392 Newman, S., 216 Newmark, H. L., 218 Newmark, P. A., 460 Newnham, R. E., 24 Newton, D. J., 87 Newton, H. F., 529 Nguyen Dinh Cat, 192 Nichoalds, G. E., 86, 87 Nichol, C. A., 466 Nichols, B. L., 54 Nichols, T. L., 527 Nicholson, J. F., 149 Nickell, E. C., 345, 346, 353, 364, 367 Nickens, H. W., 472 NIELSEN, F. H., 21-41; 22-24. 28, 31, 34, 35 Nienaber, J. A., 107, 109 Niléhn, J.-E., 290, 291 Nimni, M. E., 436 Nirota-Chigata, C., 459 Nishi, Y., 499 Nishida, S., 380, 381 Nishii, S., 86 Nishii, Y., 498, 505, 508 Nishimoto, S. K., 294 Nishimura, Y., 461 Nishizuka, Y., 546 Nissen, S., 425, 435 Nissen, S. L., 423 Nixon, P. F., 380 Nizel, A. E., 126, 127 Noda, C., 417, 418, 420, 425, 427 Noel, N. B., 5

Noff, D., 509 Noguchi, T., 270 Noland, T. A. Jr., 501, 504 Nomura, H., 508 Nordin, B. E. C., 472, 475-82 Noree, L. E., 141, 142 NORMAN, A. W., 493-520; 82-84, 494, 496, 498-500, 504-9 Norman, E. J., 496

Norred, W. P., 220

Norris, A. H., 389 Norris, C., 125, 127 Norris, L. M., 480 Norseth, J., 361 Norton, H. W., 143 Norum, K., 361 Norvell, M. A., 532 Nose, Y., 456 Novacek, E. J., 258, 260 Nowicki, H. G., 499, 500 Nozawa, T., 345, 346, 353, 364 Nugteren, D. H., 268, 347 Nunn, J. H., 118 Nutter. L. J., 357 Nutter, L. M., 466 Nuuja, T., 127

Obendorf, S. K., 507 Oberleas, D., 82 Obermeyer, B. D., 263 O'Brien, J. F., 85 O'Brien, M., 249 O'Brien, P. J., 267, 268

Ocasio, E., 392, 396 Ockerman, P. A., 342 O'Conner, M., 90 O'Connor, F. J., 545, 546 O'Connor, J. A. Jr., 224 Odagiri, H., 159, 162, 163, 165, 166, 168 Odam, E. M., 310 Oddoye, E. A., 82, 482 O'Dea, J. P. K., 475 O'Dell. B. L., 27, 147 Odessey, R., 411, 416, 417, 419, 421, 431, 441 O'Donnell, J. A. III, 542 O'Donnell, J. E., 87 Oe, P. L., 25 Oelschlager, W., 118, 120, 121, 123, 124 Oelz, O., 353 O'Fallon, W. M., 472, 480, 481 Offord, K. P., 473, 474 Ogata, E., 503, 504 Ogata, M., 439 Ogawa, K., 411, 412, 417, 425 Ogden, S., 90 Oh, S. H., 260, 267, 269, 270 Ohlrogge, J. B., 342, 344 Ohmori, M., 499 Ohnuma, N., 496, 498, 499 Okabe, T., 396 Okada, A., 84, 86 Okada, M., 463 Okamoto, S., 508 Okamura, T., 118 Okamura, W. H., 494-96, 498, 499, 505 Okano, K., 476, 477 Okano, T., 496 Okuyama, H., 362 Oldfield, J. E., 273 Oldham, S. B., 507 Oliver, C. N., 216 Ollerich, D. A., 34, 35 Olsen, T. O., 116 Olson, J. A., 190, 545 Olson, M. S., 414-16, 418, 419, 432, 442 Olson, O. E., 258, 260, 263-65 OLSON, R. E., 281-337; 282, 285, 287-90, 294-96, 299-303, 306-9, 318, 319, 321, 325 Olsson, M., 54

Oltjen, J. W., 112 Omaye, S. T., 270 Omdahl, J. L., 477, 478, 483, 504 Omstad, G. R., 87 Omura, T., 216, 222 O'Neill, J. A., 85 Ono, K., 342 Ono, T., 86 Oo, T. T., 54, 55

Oomen, H. A. P. C., 186, 192, Palmer, H. J., 532 Palmer, I. S., 258, 260, 263-65 Panaqua, M., 385, 386 Oomen, J. M. V., 198, 199 Oomori, S., 540 Pang, K. S., 214, 251 Ophaug, R. H., 26, 116-20, Panksepp, J., 527 Pantuck, C. B., 222 122, 123, 127, 128 Opliger, P., 147 Pantuck, E. J., 222 Orange, R. P., 245 Paoletti, R., 347, 353 Orci, L., 505-8 Pardridge, W. M., 169, 442 O'Reilly, R. A., 310, 317 Parent, G., 198 Parfitt, A. M., 474, 478, 479 Orent-Keiles, E., 24 Orgel, H. A., 250 Parish, W. E., 240 Orita, Y., 163 Parizek, J., 263 Ormai, S., 541 Park, B. K., 318, 319 Orme-Johnson, W. H., 223, 500 Park, C. H., 221 Ornoy, A., 509 Park, C. R., 421, 423 Orr, M. L., 439 Park, C. S., 59 Orrenius, S., 216, 221 Park, J. Y., 380, 382 Orringer, E. P., 70 Parke, D. V., 219-22 Ortiz de Montellano, P. R., 210, Parker, D. S., 59, 61 218 Parker, P. J., 416, 441 Osborne, E., 109 Parker, R. L., 272 Osborne, M. P., 75 Parkhill, L. K., 269 Osis, D., 116, 118, 122, 123, Parkins, F. M., 120 125, 127, 128 Parks, C. O., 507 Parks, L. H., 527 Osmunden, H., 360 Ostertag, S. G., 395 Parodi, P. W., 341 Osterting, M. J., 144, 146 Parrish, J. A., 496 Ostradalova, I., 263 Parrish, R. F., 462 Parrott, D. M. V., 237 Ostrom, C. A., 121 Ota, K., 60 Parson, C., 116, 118, 120 Otey, M. C., 536, 537 Parthemore, J. G., 294, 478 Otsuka, A. S., 293, 294 Partington, H., 547 Partridge, C. D. P., 29 Ott, G. L., 545 Ott, S. M., 83 Partridge, J. J., 499 Ou, S.-Y. L., 222 Partschefeld, M., 23, 25 Ovesen, L., 75, 87, 88 Pasquariello, M. A., 350, 354 Owen, C. A., 284 Patel, D. R., 378 Owen, E. C., 480 Patel, T. B., 414-16, 418, 419 Owen, G. M., 382 Patil, D., 30 Owen, J. M., 552 Paton, D., 186 Owen, R. A., 472 Patrini, C., 380, 382 Owen, R. L., 236, 237 Patt, E. L., 27 Owens, F. N., 143 Patten, B. M., 170 Patterson, E. L., 257 Oxender, D. L., 440 Ozawa, N., 218 Patterson, J. I., 167 Patton, M. B., 480 Patton, S., 341 Patwardhan, R. V., 223 Paaren, H. E., 499 Patwardhan, V. N., 192, 195-98 Pabon, H. J. J., 347 Pau, M., 58 Pace-Asciak, C., 347 Paul, A. A., 44, 45, 49, 50, 55, Padma, A., 416 56 Paganelli, R., 249 Paul, H. S., 416, 417, 431, 432, 435 Page, J. G., 224

Pavlik, L., 263

32, 441

Payne, P. R., 534

Pavlovitch, H., 503

Pavlovitch, J. H., 509

Peacock, M., 475, 477

Peaker, M., 54, 58, 60

Paxton, R., 414-16, 418, 430-

Page, J. M. J., 310 Page, L., 342

Page, M. A., 61

Paglia, D. E., 269

Paine, C. J., 392

Pallini, V., 273

Pahuja, D. N., 503, 504

Pallansch, L. A., 342, 352

Pearce, F. J., 423 Pearce, M. L., 342 Pearlman, P., 245 Peck, H. D. Jr., 29, 30 Pedersen, J. I., 500, 504 Pedersen, N. D., 273 Peel, C. J., 62, 108 Peer, P. M., 388 Pegg, A. E., 218 Pekas, J. C., 109 Pelkonen, P.; 251 Pelletier, O., 386 Pelliniemi, T.-T., 396 Pencovic, T., 530-32 Peng. Y., 166, 168, 169, 438, 442 Peng, Y.-S., 172 Penn. D., 77 Pennacchiotti, I., 118, 120, 121 Penttinen, H. K., 380, 382 Peo, E. R. Jr., 49 Pepys, J., 249 Pereira, M. A., 291 Pereira, S. M., 191, 194, 200 Perera, W. D. A., 192, 195-97 Perkins, E. G., 392 Perkkio, M., 251 Perrelet, A., 507 Pestaner, L. C., 391 Pesti, G. M., 259 Peters, J. C., 169, 411, 434, 442 Peters, T. J., 389, 461 Petersen, M. M., 476, 477 Petersen, R. A., 191 Petersen, T. E., 282-85 Petersen, V. S., 191 Peterson, D. R., 175 Peterson, F. J., 271 Peterson, J. A., 428 Peterson, M. E., 544 Peterson, M. L., 342 Peterson, S. R., 73 Petersson, L. G., 116, 125 Pettiss, S. T., 192, 193, 195, 200 Pettit, F. H., 414, 416 Pfaffmann, C., 527 Pfluger, M., 365 Phang, K. G., 478 Phantumvanit, P., 121 Philipps, G., 290 Phillips, C. E., 416 Phillips, C. M., 192 Phillips, D. H., 212 Phillips, F. C., 345, 346, 348, 357 Phillips, F. T., 4, 345, 346, 353, 364 Phillips, J. H., 534 Phillips, L. S., 503, 504 Phillips, M. J., 69, 77 Phillips, P. H., 125, 127, 534

Phillips, R. W., 60 Phillips, W. A., 534 Phillips, W. E. J., 466 Piazolo, P., 507 Picciano, M. F., 53, 54, 392 Pichlmaier, H., 90 Pickett, E. E., 27 Piechulla, K., 29, 30 Piek, C. F., 476 Pietarinen, G. J., 392 Pietrzik, K., 392, 396 Pike, J. W., 502-4, 507 Pilch, S. M., 263, 264 Pillat, A., 195 Pilz, W., 269 Pircher, F. J., 394 Pirie, A., 194 Pirio, M. R., 494, 495 Pisano, J. J., 160 Pisi, E., 434, 439 Pitchlyn, R. C., 388 Pitot, H. C., 427 Pizzarello, L., 192 Plant, G. W. E., 144 Pleasure, D., 466 Pluvio, M., 141, 142 Pochron, S. P., 394, 395 Pocius, P. A., 61 Poe, W. D., 176 Poelling, R. E., 502 Pogell, B. M., 461 Pohlandt, C., 117 Polacco, J. C., 28, 30 Polansky, J. M., 475 Polansky, M., 387 Politzer, W. M., 192 Pollack, R., 121, 122 Pollard, M. R., 365-67 Poloni, M., 380, 382 Ponchon, G., 498 Pond, W. G., 507 Pontes, M. A., 547 Pontzer, N. J., 385 Pool, J. G., 310 Poon, M. C., 391 Pope, A. L., 257, 267, 270 Popjak, G., 498-500 Popkin, B. M., 192, 195, 199 Poppers, P. J., 223 Porreco, R. P., 250, 251 Porter, E. K., 259

Porter, J. C., 475
Porter, J. W., 348, 351
Portman, O. W., 263
Posen, S., 507
Poser, J. W., 293, 294
Pösö, A. R., 411, 419, 439
Poston, H. A., 547
Potter, D., 109
Potts, J. T. Jr., 477, 496
Poulsen, S., 125-27
Powers, H. J., 383

Pownall, H. J., 348, 351 Pozefsky, T., 421, 423, 425, 434, 437 Pramanik, B. C., 498, 499 Praminik, B., 499 Prasad, A. S., 82 Pratt, D. S., 243 Pratt, R. F., 392 Prausnitz, C., 241 Preedy, V. R., 51 Prema, K., 49 Prensky, A. L., 87, 88, 159 Prentice, A., 55, 56, 383 Prentice, A. M., 49, 50, 55, 56, 382, 383 Prentiss, P. G., 528 Preston, F. E., 87 Preusch, P. C., 295, 311-15. 319 Price, J. A., 296 Price, J. M., 547 Price, P. A., 293, 294, 505 Price, S. A., 464 Prichard, D. C., 507 Prien, E. L. Jr., 294 Principe, L. M., 315, 316, 318 Prior, R. L., 145-47, 150 Pritchard, A. E., 47, 53 Privett, O. S., 345, 346, 348, 349, 353, 357, 364, 367 Procsal, D. A., 505 Proctor, J. F., 343 Prohaska, J., 269 Prohaska, J. R., 269, 273 Promkutkaew, C., 192 Prose, P. H., 141, 143 Prou-Wartelle, O., 290 Prough, R. A., 222 Proutt, L. M., 547 Provost, K. L., 291 Provvedini, D. M., 507, 508 Prowse, C. V., 283, 292 Prudhomme, C. R., 380, 381 Prydz, H., 306, 315 Publos, M. H., 507 Puertes, I. R., 59, 61 Puglisi, L., 347, 353 Pui, Y. M. L., 148 Punekar, B. D., 118 Purcell, G. V., 391 Pusch, F., 365 Puzas, J. E., 496 Pybus, J., 84

Ų

Quarfoth, G., 174 Queener, S. F., 476 Quesada, J., 193, 194, 196, 199, 200 Quie, P. Q., 73 Qureshi, A. A., 170 R

Rabin, A. R., 540, 541 Rabin, D., 417 Rabinowitz, J., 462 Raccuglia, G., 345, 349 Rader, J. I., 500, 504 Radhaiah, G., 383 Raggatt, P. R., 477, 483 Ragsdale, S. W., 29, 30 Raha, S. R., 160 Rahim, S., 308, 325 Rahm, J. J., 346 Rajagopal, K. R., 198 Rajagopalan, K. V., 85 Rakoff, H., 343, 345, 349, 356 Ramachandran, K., 191, 196 Ramalakshmi, B. A., 49 Raman, N., 293, 294 Ramanamurthy, P. S. V., 442 Ramasastri, B. V., 380, 382 Rameshwar Sarma, K. V., 383 Ramsay, V. P., 463 Ramsey, A. C., 120, 121, 125, 128 Rand, W. M., 143, 434 Randle, P. J., 410, 414-17, 426, 431, 441 Rannels, S. R., 434 Rao, G. H., 321 RAO, G. S., 115-36; 120, 121 Rao. P. S., 304 Raper, S. M., 537 Rapoport. A., 501, 504 Rappaport, R., 509 Rasmus, S., 466 Rasmussen, H., 501, 504 Rasmussen, K., 47 Rasmussen, K. M., 461 Rasshofer, R., 389 Rassin, D. K., 77 Ratcliff, H. L., 544 Rathakette, P., 382 Ratner, B., 241, 250 Rattigan, S., 54 Rattray, P. V., 108 Raulet, M., 84 Ravel, J. M., 436 Ravi. R. T., 58 Rawlings, M., 460 Rawlings, V., 352 Rawlins, M. D., 220 Re. P. K., 170 Rea, H. M., 259, 270 Reagan, J. W., 476 Reamer, J. T., 173 Reber, E. F., 546 Rechtman, A. M., 474 Recker, R. R., 475, 478-80 Recknagel, N. O., 221 Reddy, G. S., 498, 499 Reddy, J., 125 Reddy, P. S., 186, 198

ROGERS, Q. R., 521-62; 144,

Reddy, V., 198 Redick, J. A., 215 Reed, D. J., 217-19 Reed, G. H., 174 Reed, J., 165 Reed, L. J., 414, 416 Reed, L. S., 392 Reeds, P. J., 430, 431 Reedy, S., 192, 195, 200 Reese, D. E., 49 Reeve, L., 498 Reeves, J. B. III, 341 Regan, W. O., 147 Rego, A., 494, 495 Reichl, J. R., 112 Reichlmayr-Lais, A. M., 26, 27 Reichwald-Hacker, I., 354, 355, 361 Reid, F. A., 507 Reid, J. T., 111 Reid, R. I., 476, 477 Reid, S. S., 439 Reid, W. D., 547 Reif, V. D., 173, 392 Reijnierse, G. L., 378, 379 Reilly, R. W., 236 Reingold, R. N., 392 Reinhardt, M., 54 Reinhardt, T. A., 498, 499 Reinhold, J. G., 480 Reinke, L. A., 217, 223 Reiser, R., 340 Reisman, R. E., 246 Reiss, E., 481 Reitz, R. C., 362, 363 Relles, H. M., 305 Relman, A. S., 82 Remigio, L. K., 240, 241 Rennert, A., 121, 126 Rennie, M. J., 413, 425, 434 Renthal, R. D., 461 Renton, K. W., 224 Reppert, S. M., 524, 525 Rettenmaier, R., 380, 382 Reynolds, P. J., 108 Reynolds, R. D., 387, 455, 462, 464, 507 Reynolds, W. A., 158 Rhame, F. S., 74 Rhead, W. J., 261 Rhoads, J. E., 323 Rhoten, W. B., 507 Ribbron, W. M., 380 Ribelius, U., 118, 119, 126 Ribovitch, M. L., 504 Rice, E. E., 144, 145 Rich, D. H., 295, 299-302 Rich, L. F., 163, 164 Rich, L. J., 528, 544 Richardson, C. A., 476

Richardson, D. P., 47, 53

Richardson, F., 282

Richt, N. M., 496 Richtand, N. M., 496 Richter, E., 380, 382 Rider, A. A., 386 Ridgway, E. C., 478 Riedler, G., 323, 325 Riella, M. C., 76 Rietsch, J., 344 Rietz, P., 308, 321 Rifas, L., 500, 501, 504 Riggs, B. L., 472-81, 503, 504 Rigo, J., 143 Riisom, T., 358 Rikong-Adie, H., 302, 305 Riley, A. M., 341 Riley, H. T., 4 Rinaldi, S., 141, 142 Rindi, G., 380, 382 Ring, G. C., 529 Riser, W. H., 543 Riss, T. L., 61 Ritchie, A. C., 348, 351 Ritchie, J. C., 224 Rittenberg, D., 144 Ritter, M., 29, 30 Ritzel, G., 382 Rivers, J. P. W., 546-53 Rivier. J., 147 Rivlin, R. S., 222 Rizek, R. L., 342 Robb, R. M., 191 Robbins, K. R., 143 Robelin, J., 109 Roberge, A., 146 Roberts, A. F. C., 45, 51 Roberts, A. H., 543, 544 Roberts, L. J., 184 Roberts, R. N., 540 Roberts, S. B., 49, 50, 56 Robertson, J., 5 Robertson, W. G., 485 Robin, G., 472 Robin, H., 394 Robinson, A. M., 58, 61 Robinson, J. L., 150 Robinson, M. F., 85, 258, 259, 270 Robinson, M. P., 364, 366 Robinson, R. P., 421, 423, 425, 437, 438, 522 Robinson, W. T., 386 Rocchelli, B., 380, 382 Roderick, L. M., 316 Rodger, F. C., 186, 192 Rodkey, J. A., 285 Roe, D. A., 392, 395, 461 Roels, O. A., 192, 195 Roepke, J. L. B., 464 Roepstorff, P., 282-84 Rogers. A. E., 219, 352 Rogers, J. G. Jr., 527 Rogers, L. S., 85

145, 150, 162-64, 436, 440, 524-30, 532, 535, 537, 539, 542-44, 548, 550-53 Roggeveen, A. E., 159 Rohmann, C. G., 480 Rohwedder, W. K., 343, 345, 349, 356 Roitman, E., 54, 77, 141, 143, 437, 438 Rokytova, K., 127 Romack, F. E., 348, 351 Romer, A. S., 523 Romero, J. J., 46, 47, 52, 107-9 Romisch, A., 268 Romsos, D. R., 532 Ron. A., 507 Roof. B. S., 476 Rook, J. A. F., 58 Roos, B. A., 478 Rosalki, S. B., 378, 382, 391 Rosato, E. F., 90 Rose, C. S., 389, 464 Rose, D., 116, 118, 123 Rose, D. P., 390, 464 Rose. M., 394 Rose, P., 477 Rose, W. C., 137, 141, 143-45 Rosen, A. L., 466 Rosen, F., 466 Rosen, H. M., 145, 443 Rosen, J. F., 481 Rosenberg, E. M., 476 Rosenberg, L. E., 410, 415 Rosenberg, Z., 394 Rosenblum, J. L., 87, 88 Roser, R. L., 380 Rosner, B., 149 Ross, F. P., 507 Ross, G., 537 Ross, I. N., 476 Ross, P., 476, 483 Rost, C. R., 501, 502, 504 Roth. A., 250 Roth, D. M., 264 Roth, J., 505-8 Rothberg, R. M., 237, 240 Rothenberg, S. P., 394 Rotkin, L., 481 Rotruck, J. T., 257, 267 Rousselet, F., 504, 509 Roux, C. Z., 107, 111 Rowe. V., 160 Rowe, V. D., 160 Rowland, M. G. M., 55 Rowland, N., 527 Rowsell, E. V., 531 Rowsell, K. V., 531 Royal, P. M., 498, 499 Royce, S. M., 351 Rozenberg, M. C., 394 Rozier, R. G., 116, 128

Rozovski, S. J., 392 Rubin, L. F., 541 Rucker, R. B., 544 Rude, R. K., 84 Ruderman, N. B., 421, 422, 425 Rudman, D., 139, 425, 427 Rudzki, Z., 394 Rundles, R. W., 393 Ruskin, J. N., 85 Rusnak, M. G., 391 Rusoff, L. L., 121, 128 Russell, A. M., 283 Russell, D. H., 172 Russell, J. H., 285, 290 Russell, R., 198 Russell, S. M., 46 Ruttenberg, H., 351 Ruzicka, J. A., 127 Ryan, D., 224 Ryan, J. A., 73 Ryan, J. A. Jr., 323 Ryan, M. A., 380, 382 Ryan, M. P., 463 Ryan, R. J., 475 Ryckman, J. J., 527

S

Sabatini, D., 284 Sabourin, P. J., 415, 430 Sachs, M. I., 239 Sadano, H., 216 Sadowski, J. A., 293, 294, 303, 305, 306, 309-12, 314, 315, 318 Saez, G. T., 59, 61 Saffiotti, U., 221 Safilian, E. F., 503, 504 Sahasrabudhe, M. R., 341 Saiduzzafar, H., 186 Sakagami, H., 508 Sakamoto, Y., 461 Salvado, C., 198 Samaan, N. A., 478 Samachson, J., 118, 122, 125, 128, 480 Samejima, K., 505 Sammons, H. G., 476 SAMPSON, D. A., 43-67; 51-53, 58, 59 Sampson, W. L., 309 Sampugna, J., 342, 352 Samson, D., 389 Samuel, R., 509 Samuels, M. L., 90 Samuelsson, B., 212 San Filippo, F. A., 119, 120. 123 Sanchez, T. V., 489, 482 Sandford-Smith, J. H., 199 Sandholm, M., 259

Sandhu, J. S., 385

Sandi, E., 222 Sandstead, H. H., 378, 383 Sanemori, H., 380, 381 Sanford, H. N., 251 Sanghvi, A., 215 Sano, M., 348 Sans. R. M., 419, 423 Santi, M. T., 139 Santoni, M., 84 Santos, L. M. P., 193 Santoso, S., 200 Sanwal, G. G., 462 Sar, M., 506, 507 Sarai, K., 380, 381 Sarapu, A. C., 392 Saroso, J. S., 184, 185 Sasaki, A., 52 Sasaki, S., 504 Sato, J., 411, 412 Sato, R., 222 Sattsangi, S., 387, 463 Satva Murti, S., 88 SAUBERLICH, H. E., 377-407; 168, 192, 195-97, 378, 380, 384, 385, 387, 388, 391, 392, 394 Saul, D. W., 53 Saunders, J. E., 395, 396 Sauter, J. J., 198, 199 Sauter, J. J. M., 186, 192 Savilahti, E., 251 Saville, P. D., 475, 478-80 Savory, J., 391 Sawatzki, G., 269 Sawhney, A. K., 388 Sayer, J. M., 218 Scaief, C. C., 264 Schad, J. S., 524, 534 Schaedler, R. W., 236 Schaefer, A. E., 341 Schaeffer, M. C., 535, 547 Schaeppi, U., 466 Schaffner, W., 73 Schaich, E., 267, 268 Schaller, G. B., 525 Schamberger, R. J., 22 Schamschula, R. G., 116, 121 Schatz, M., 250, 251 Schauder, P., 423, 435 Schaumberg, H. H., 243, 466 Scheck, J., 480 Scheibe, P., 391 Scheinbuks, J., 287 Scheler, F., 423 Schen, R. J., 477 Schenker, S., 223 Schepis, P., 477, 479 Schiff, D., 461, 463 Schimke, R. T., 538 Schimmel, E., 77 Schingoethe, D. J., 59 Schirmer, M. D., 168, 171

Schlegel, R., 290

Schleyer, M., 507 Schlitzer, J. L., 343 Schmaeler, M., 546 Schmidt, G. R., 481 Schmidt, H. J., 121 Schmidt, S. Y., 149, 540, 541 Schmidt-Hebbel, H., 118, 120, 121 Schmidt-Sommerfield, E., 77 Schmitz, B., 365 Schnegg, A., 28 Schneider, A. J., 85 Schneider, C. J., 272 Schneider, F., 267, 268 Schneider, G. C. J., 272 Schneider, K., 29, 30 Schneider, V. S., 125, 127, 128 Schneiderman, L. J., 310 Schnepper, L. E., 544 Schnoes, H. K., 306, 311, 496, 499, 500 Schocket, A. L., 243 Schoenheimer, R., 144 Schofield, F. W., 316 Scholfield, C. R., 341 Scholz, R., 416 Schone, B., 159, 160, 162 Schonheit, P., 29, 30 Schönheyder, F., 282 Schorah, C. J., 382 Schraer, H., 474 Schrauzer, G. N., 261, 270, 272 Schreiber, C., 394, 395 Schreurs, W. H., 380, 387, 388 Schrift, A., 258, 259 Schrijver, J., 380, 387, 388 Schrock, C. G., 354 Schröder, K., 423, 435 Schrogie, J. J., 321 Schrotenboer, G. H., 116, 121 Schuette, S. A., 482 Schullinger, J. N., 149 Schulz, E. M., 120 Schulz, T. D., 498 Schulze, J. H., 5 Schuster, K., 464 Schutz, Y., 49 Schwab, J. G., 116 Schwartz, A. D., 116 Schwartz, G. L., 270 Schwartz, R. S., 552 Schwartz, V., 461 Schwarz, H. P., 425, 427, 441 Schwarz, K., 25, 26, 32-35, 257, 264, 266 Schwemmer, S. S., 28, 30 Schwerin, H. S., 341 Scibner, B. H., 76 Scott, D. A., 305 Scott, E. W., 118, 122, 125, 128 Scott, H. M., 143

Scott I 88 Scott, J. M., 393 Scott, M. G., 541, 543-45 Scott, M. L., 257, 270-72 Scott, P. P., 525, 532-34, 541, 543-45 Scott, R. G., 342, 351 Scott, R. L., 171 Scott, S. P., 3 Scott, W. A., 507 Scotto, L., 160 Scow, P. C., 259 Scribner, B. H., 70 Scrimshaw, N. S., 44, 77, 139, 140, 143, 197, 198, 438 Scriver, C. R., 465 Scurzi, W., 30 Searcey, M. T., 287, 318, 348, 349, 354 Seawright, A. A., 545 Sebestyen, F., 541 Seegers, W. H., 283 Seely, R. J., 264 Seeman, E., 479-81 Seet, A. M., 382 Segal, I. H., 258, 264 Sehgal, H. L., 466 Sehgal, L. R., 466 Seiberth, V., 385 Seier, L., 320 Seim, S. H., 378, 379 Seitz, H., 480 Sekura, R. D., 214 Selig, D. E., 90 Selinger, Z., 346, 357 Sellers, A., 7 Selye, H., 163, 164 Sener, A., 439 Sengers, R. C. A., 149 Senterre, J., 143 Serafin, J. A., 174 Serebro, H. A., 456 Serfass, R. E., 269 Serroni, A., 216, 221 Servely, J.-L., 46 Seufert, J., 346 Severson, D. L., 348 Sewell, C. W., 425, 427 Seyberth, H. W., 353 Sgoutas, D. S., 345, 354, 355, 362, 364 Shabshelowitz, H., 527 Shah, D. V., 288, 290, 294, 301, 310 Shah, S. N., 159, 321 Shahidi, S., 243 Shaikh, B., 385 Shambaugh, G. E., 423 Shamberger, R. J., 272, 378 Shamonki, I. M., 475, 478 Shane, B., 390, 392-95, 465

Shank, R. E., 379

Shannon, I. L., 120, 122 Shannon, W. R., 251 Shapiro, I. L., 540 Sharda, D., 383 Sharland, D. E., 477 Sharma, R., 116, 128 Sharman, I. M., 545 Sharp, H. L., 84 Sharp, M., 46, 109 Sharp, W. M., 112 Shattuck, L., 6 Shaw, J. H., 121, 125 Shaw, W. H., 262 Shchori, D., 126, 127 Shearer, M. J., 308, 309, 316, 322, 325 Sheldon, G., 73 Shen, L. H., 507 Shenai, J. P., 88 Sheng, Y-B., 142-44 Shenkin, A., 86 Shepard, L., 264 Shepard, R. M., 499 Shepherd, F., 272 Sheppard, R., 394 Sherman, A. D., 167 Sherrard, D. J., 60, 82-84, 496 Sherry, A. D., 499 Sherry, P. A., 524, 533-35, 542, 547 Sherwin, R. S., 435, 439 Shia, M., 294 Shia, M. A., 304 Shibuya, M., 463 Shih, V. E., 145, 149 Shike, M., 82-84 Shillam, K. W. G., 547 Shils, M. E., 69, 85 Shimasaki, H., 345, 346, 348, 353, 357, 364 Shimazawa, E., 501, 503, 504 Shimkin, M. B., 352 Shimomura, S., 462 Shimp, J., 346, 350, 357, 364 Shin, H. K., 481 Shin, Y. S., 389 Shin-Buehring, Y., 389 Shiner, M., 240 Shinki, T., 499, 505 Shinnick, F. L., 417, 418, 423, 430, 431, 437, 438, 440, 442 Shinno, H., 412 Shinozuka, H., 174 Shirai, A., 428, 429 Shirajian, E., 194, 199 Shiraki, K., 77 Shiratori, T., 545 Shires, T. K., 215 Shive. W., 436 Shobaki, H. H., 500, 504 Shock, H. H., 267 Shock, N. W., 389, 464

Shojania, A. M., 392 Shope, T. C., 148, 538 Shotwell, M. A., 440 Shrift, A., 258, 259 Shroy, R. E., 117 Shubik, P., 221 Shuler, T. R., 34 Shull, K. H., 174, 175 Shull, L. R., 273 Shultice, R. W., 219 Shultz, T. D., 388 Sidbury, J. B., 158 Siddiqui, K. A., 352 Siebert, G., 129 Siebert, P. D., 506 Siegfried, C. M., 312, 313 Siehl, D. L., 439 Sifferd, R. H., 144 Siiteri, P. K., 475 Silberstein, E. B., 395 Silva, J. D., 200 Silva, P., 294 Silve, C., 509 Silver, M. D., 348, 351, 361 Silverman, R. B., 313 Silvis, S., 73 Sim, A. J. W., 86 Sim, J., 320 Simon, E. J., 316 Simon, G., 125, 127 Simon, I., 388, 391 Simon, M., 385, 386 Simon, R. A., 243 Simonetti, M. S., 386 Simonivoe, I., 481 Simpson, M., 478 Simpson, N. K., 49 Simpson, T. W., 198 Sims, R. L., 383 Sinclair, A. J., 547-53 Sinclair, R. G., 342 Sine, H. E., 394 Sine, S. M., 494, 495 Singer, F. R., 84, 509 Singer, L., 26, 116-20, 122, 123, 127, 128 Singhelakis, P. J., 476 Sinha, D. K., 272 Sinha, D. P., 186, 191, 195 Sinsky, T. A., 297, 298, 306 Sisom, K., 478 Sitren. H. S., 148 Sivakumar, B., 198 Sizemore, G. W., 478 Sizer, J. S., 75 Skala, J. H., 378, 384, 391 Skarda, J., 46 Sketcher, R. D., 428, 430, 431 Skinner, J. T., 24 Skinsnes, O. K., 126, 127 Skobe, Z., 236 Skultety, F. M., 526 Slatopolsky, E., 83

Slattery, W., 548-51 Slavin, G., 395 Sloan, R. E., 530 Sloan, T., 220 Sloan, T. P., 224 Sloger, M. S., 464 Slotboom, A. J., 298 Slover, H. T., 341 Slovik. D., 477 Smak, B. F., 90 Small, E., 545 Smalley, K. A., 535, 539, 542 Smeets, E. H. J., 378 Smith, C. M., 499 Smith, D., 86 Smith, D. A., 476, 479-82 Smith, D. C., 547 Smith, D. M., 474 Smith, E. O., 54 Smith, F. A., 116, 118 Smith, G. P., 389, 461 Smith, H. P., 322, 342, 351 Smith, J. C., 259, 262 Smith, J. L., 192, 195-97 Smith, J. M., 221 Smith, J. S., 109, 380 Smith, M. D., 118, 119, 122, 124, 128, 383 Smith, M. E., 240 Smith, M. J., 30 Smith, M. T., 216 Smith, M. W., 306 Smith, N. E., 46, 107-9, 112 Smith, P. M., 530, 532 Smith, R. A., 386, 435 Smith, R. C.,, 87 Smith, R. H., 140 Smith, R. L., 220, 224 Smith, R. W., 480 Smith, T. K., 436, 438-41 Smith, V. R., 44 Smutny, P. V., 394, 395 Snell, E. E., 459, 461, 462 Snell, K., 410, 421, 422 Snodgrass, C. M., 350 Snyderman, S. E., 54, 77, 141, 143, 437, 438 Soegiharto, T., 192, 193, 198. 199 Soeldner, J. S., 421, 437 Soeters, P. B., 74, 145, 443 Sognnaes, R. F., 122 Sohnlein, B. W., 395 Solomon, H. M., 456 Solomon, J. K., 169, 170 Solomon, L. R., 459 Solon, F. S., 192, 195, 199 Somien, D., 509 Somjen, G. J., 509 SOMMER, A., 183-205; 184-90, 192-200 Sommerfeld, J. L., 499 Sood, N. N., 191, 196

Sørensen, H., 165 Sorensen, O. H., 501, 504 Sosa, R., 56 Soto, R. J., 480 Sottrup-Jensen, L., 282-85 Soulier, J. P., 290 Soute, B. A. M., 298-300, 305-Southern, L. L., 145, 149, 150 Spaeth, A. E., 423, 457, 537 Spak, C. J., 117-19, 125, 126. 128 Spallholz, J. E., 25, 33 Spanos, E., 502-4 Sparnins, V. L., 222 Spatz, L., 396 Spears, J. W., 28, 30 Spector. A. A., 363 Spector, R., 458 Spector, S. L., 243 Speek, A. J., 380, 387, 388 Speer. V. C., 48 Spence, A. A., 352 Spence, M., 340 Spence, M. W., 362 Spencer, E. M., 502-4 Spencer, H., 116, 118, 122, 123, 125, 127, 128, 480 Spencer, R., 505 Sperry, C. C., 525 Spinnell, D. M., 236 Spirer, Z., 496 Spivack. M., 392, 396 Spivey, H. E., 436 Spolter, P. D., 436, 437 Spooner, R. J., 86 Sporn, M. B., 221 Spray, C. M., 544 Sprecher, H., 345, 364, 549 Sprecher, H. W., 363, 367 Spydevold, Ø., 419, 423 Squires, E., 164 Squires, E. L., 163, 165 Srikantia, S. G., 442 Srivastava, S. K., 267 Srp. F., 70, 74, 90 Stabenfeldt, G. H., 524 Stadtman, E. R., 216 Stadtman, J. C., 265 Stadtman, T. C., 85, 265 Stahlman, M. T., 88 Stamm, J. W., 121, 128 Stanley, J. C., 85 Stanton, J. L., 341 Stanulovic, M., 461 Stapert, J., 74 Stark, P., 306 Stasiak, L., 477, 483 Stauffer, N. N., 472 Stearns, E. M. Jr., 345, 364, 367 Steel. D., 85

Steele, N. C., 48

STEELE, R. D., 157-81; 169-71, 173-75, 266 Steele, W., 343 Stegink, L. D., 84 Steiger, E., 70, 74, 90 Steinberg, R., 472 Steiner, A., 507 Stem, P. H., 507 Stenflo, J., 282-84, 289-91 Stephan, Z. F., 550 Stephen, J. M. L., 44 Stephens, K. W., 121, 128 Sterman, M. B., 524 Stern, P. H., 498 Stern, W., 527 Stevens, C. O., 378, 546, 553 Stevens, E. D., 108 Stevens, J., 214, 220, 472 Stevens, J. C., 504 Stevens, R. S., 472 Stevenson, D. D., 243 Stevenson, J. C., 478 Stevenson, K. E., 380 Steward, A. R., 216 Stewart, P. M., 536 Stewart, R. D. H., 258, 259 Stewart, S., 84 Steyaert, H., 325 Stillinger, C. J., 545 Stillings, B. R., 125-27 Stimmler, L., 308, 325 Stockland, W. J., 143 Stoffel, W., 342 Stohr. M., 174 Stokstad, E. L. R., 257, 394, 395 Stone, H. H., 319 Stookey, G. K., 125, 127 Stoppani, A. O. M., 303 Stout, R. W., 392 Strasia, C. A., 34, 35 Strauss, A. W., 285 Streiff, R. R., 392 Striffler, D. F., 116, 121 Stromberg, P., 86 Strong, R., 464 Strufe, R., 282 Strynadka, K., 461, 463 Stucki, P., 506 Stucki, W. P., 138, 162-64 Stults, F. H., 267, 269 Stumpf, W. E., 506, 507 Sturgeon, M. F., 394, 395 Sturman, J. A., 139, 541 Sturtridge, W. C., 82-84 Styslinger, L. M., 464 Suanpan, S., 54 Subba Rao, P. V., 245 Suda. M., 439 Suda, T., 499, 501, 503-8 Sudarsanan, L., 394, 395 Suen, E. T., 295, 302 Suga, T., 361

Tagaya, M., 462 Sugana, T., 194 Sugano, M., 351 Taggart, W. V., 308, 325 Sugar, E., 116, 118, 122, 125, Taginaki, T., 84 Taguchi, T., 508 Tai, L-R., 419, 420, 441, 442 Sugimura, T., 212, 223, 224 Suhadolnik, R. J., 546, 553 Takagi, T., 351 Sullivan, S. G., 415, 432 Takagi, Y., 84, 86 Sullivan, W. R., 191 Takahashi, H., 428, 429, 501. 503. 504 Sulton, C., 396 Sulzman, F. M., 524 Takahashi, N., 501, 504, 505, Sumbler, K., 394 507 Sunde, M. L., 176, 502, 504 Takahashi, O., 320 Sunde, R. A., 265-67, 269, 270 Takahasi, T., 144 Sundstol, F., 103, 109 Takasaki, Y., 499 Susanto, D.S., 184, 185, 192. Takatori, T., 345, 346, 348, 357 193, 195, 198, 199 Takayama, H., 499, 508 Susheela, T. P., 191, 195, 200 Takeda, M., 508 Susuki, T., 144 Takedatsu, N., 439 Suttie, J. W., 26, 125, 127, Takei, M., 162, 163 268, 284, 287-91, 293-95, Takeuchi, H., 159, 162, 163, 303-7, 310, 312-14, 318. 165, 166, 168 319 Takikawa, K., 385 Sutton, T. S., 480 Talalay, P., 222 Suzue, G., 359 Talbot, F. B., 251 Suzue, R., 172, 459 Talbot, J. M., 392 Tam, C. S., 82-84 Suzuki, H., 320 Tamacas, J. C., 120, 121, 125, Suzuki, M., 222 Suzuki, T., 465 Tamba, T., 187, 188 Svanberg, U., 54 Tamura, T., 394, 395 Svensson, M., 342 Svingen, B. A., 216 Tan. I. K., 382 Tan, R. V., 192 Svoboda, A. C., 237 Swaminathan, M. C., 191, 195, Tanabe, R., 507 200 Tanaka, H., 508 Tanaka, K., 77, 410, 415, 418. Swan, C. H. J., 476, 483 Swanson, A. B., 212, 257, 267 425, 427 Swanson, J. C., 300 Tanaka, Y., 496, 498-502, 504, Sweeney, E., 264 508 Sweetman, B. J., 353 Tancredi, R. G., 434 Tandon, B. N., 191, 196 Sweetman, L., 87 Swendseid, M. E., 141-44, 146, Tannous, R. I., 436, 440 385, 386, 428, 429, 437-Tao. S., 26 Tappel, A. L., 265, 267, 269, 39, 463 270, 273 Swern, D., 352 Tarassoff, P. G., 465 Swett, R. J., 528 Swezey, S. E., 309 Targott, C. M., 82-84 Tarwotjo, I., 184, 185, 192. Sydor, W. Jr., 222 Sygusch, J., 462 193, 195, 197-200 Sykes, P. T., 363, 367 Tataryn, I. V., 475, 478 Syllogism, S., 5 Taves, D. R., 116-18, 122, 124, Symmons, R. A., 537 125, 128 Syversen, G., 219 Tavill, A. S., 221 Taylor, A. N., 507, 509 Szebenyi, D. M. E., 507 Szepesi, B., 427 Taylor, D., 412 Szlam, F., 362 Taylor, F. I., 219 Taylor, J., 46, 109, 112 Taylor, L., 477, 479 Taylor, P. C., 391

Taylor, R. T., 411, 413

Tchalian, M., 194, 199

Teitelbaum, S. L., 476

Teague, W. M., 414, 416

Teeter, R. G., 535, 539, 542

Tachibana, M., 459

Tadera, K., 389

Tadashi, A., 347, 351

Tafolla, W. H., 392

Tagae, C. E., 464

Teixeira, M., 30 ten Doesschate, J., 191, 195, 198. 200 Teng. K .- H .. 185 Tennant, G. B., 87, 393 Tenny. C., 86 Tephly, T. R., 392, 393 Teresi, J. D., 24 Terry, B. E., 142-44 Terry, R. C., 385, 386 Teyssot, B., 46 Thakker, K. D., 392 Thallasinos, N. C., 479, 480 Thanangkul, O., 192 Thanassi, J. W., 390, 463, 466 Thauer, R. K., 29, 30 Thayer, S. A., 282 Theim, K., 54, 55 Theobald, R. A., 394, 395 Thergaokar, V. P., 116, 128 Thierry, M. J., 318 Thimmayamma, B. V. S., 191, 195, 200 Thistle, J. L., 85 Thomas, L. H., 342, 351 Thomas, P. E., 224 Thomas, T. G., 472 Thomassen, M., 361 Thomasset, M., 506, 507 Thompson, J. N., 272 Thomsen, J., 282 Thomson, A., 43, 44 Thomson, A. M., 44 Thomson, C. D., 85, 258, 259, 270 Thonney, M. L., 106 Thor, H., 216 Thorbek, G., 103 Thorens, B., 507 Thorgeirsson, S. S., 218 Thorne, C., 525-27 Thome, C. J., 524 Thorpe, J. M., 165 Thrupp, S., 4 Thum, W., 75 Thurlow, P. M., 88 Thurman, R. G., 215-17, 219, 220, 223, 224 Thurnham, D. I., 382, 383 Thylstrup, A., 116, 128 TIELSCH, J. M., 183-205 Tien, M., 216 Tigner, J., 395 Tillotson, J. A., 383, 384 Tipton, K. F., 213 Tischler, M. E., 419, 420, 423, 439 Tisdall, F. F., 126, 127 Tishler, M., 309 Tisman, G., 395 Titani, K., 462 Titchenal, C. A., 535, 542 Titheradge, A. C., 391

Tiakrasudiatma, S., 185-87, 195 Tjakrasudjatma, R. S., 200 Tobiassen, O., 503, 504 Tobin, J. D., 421, 434, 437 Todd, A., 304 Tolnai, S., 507 Tomasi, J. B., 237 Tondevald, E., 473 Tong, M. J., 293 Tong, Y. S., 120, 121 Tontisirin, K., 143 Topper, Y. J., 46 Torikai, S., 501, 504 Torok, L. J., 541 Torres, E., 118, 120, 121 Toseland, P. A., 464 Toss, G., 477 Toth, K., 116, 118, 121, 122, 125, 128 Touchberry, R. W., 106 Toureau, S., 193, 195 Tourian, A. Y., 158 Townsend, M. G., 310 Trares, D. R., 480, 481 Trautner, K., 129 Traverso, H. P., 294 Trechsel, U., 83, 500-2, 504 Treon, J., 118, 122, 125, 128 Treston, A., 29, 30 Triger, D. R., 238 Trijbels, J. M. F., 149

Trizzino, M. G., 350, 354 Trodahl, J. N., 122 Trout, M., 192, 195 Trudell, J., 530-32 Truhaut, R., 118, 120, 121 Tryfiates, G. P., 387, 455, 463 Tryphonas, L., 466 Tsai, H. C., 505, 507

Trimbo, S., 353 Tripp, M. J., 273

Tsallas, G., 70 Tsan, M. F., 390 Tsang, R. C., 496 Tsao, Y-K., 344 Tsoukas, C. D., 507, 508 Tsuda, H., 162, 163 Tsuji, H., 389, 546 Tsuji, T., 456 Tuan, R. S., 507 Tucker, H. A., 46, 48 Tulloch, B. R., 501, 504 Tuma, S., 509 Tumbull, A., 69 Turner, M. R., 58, 465 Turner, P. M., 306 Turner, R. T., 496, 498, 500, 504

Turner, W. J., 385 Turpeinen, O., 352 Turtola, L., 127 Tuve, T., 264 Tyrrell, H. F., 108, 111 Tzeng, D. Y. M., 481

U

Udall, J. A., 323, 324 Udall, J. N., 251 Udenfriend, S., 159 Ueki, H., 380, 381 Uhing, R. J., 462 Ullman, D., 345, 549 Ulman, E. A., 146, 147, 149 Ulmann, A., 509 Ulrich, M., 294 Unden, G., 30 Underwood, E. J., 82, 544 Uotila, L., 298, 319 Uppsall, L., 196 Urban, G., 392, 396 Urbanova, E., 46 Urist, M. R., 472 Urrutia, J. J., 56 Usui, K., 543 Uthus, E. O., 22, 23, 35 Uyemura, M., 185

V

Vadi, H., 216 Vahlkamp, T., 173 Vahlquist, A., 196 Vahlquist, B., 196 Vale, J. A., 464 Vale, W., 147 Valentine, W. N., 269 Valenton, M. J., 192 Valicenti, A. J., 365, 366 Valle, D. A., 149, 536 Van Assche, F. A., 496, 502 van Baelen, H., 496, 502 Van Buskirk, J. J., 287 Van Deenen, L. L. M., 344 Vandenhoff, G., 344 Van den Schrieck, H., 197 Van Der Horst, A. R., 378, 379 Van Der Kleijn, E., 392 vanderMeer, C., 25 Vanderslice, J. T., 387, 463 Van Der Veen, K. J., 360, 361 Van Der Weyden, M. B., 390, 396 Van Dorp, D. A., 268, 347 van Hinsbergh, V. W. M., 416-Van Kapel, J., 394 van Langevelde, F., 25 Van Metre. T. E., 241 Van Riet, C., 379 Van Rij. A. M., 85 Van Rijn, H. J., 380 Van Santen, L., 73 Van Scharrenburg, G. J., 298 Vang, J., 417, 423

Vannucchi, H., 385, 387, 388 Van Way, C. W., 73 vanWyk, C. W., 125 Vars, H. M., 323 Vaswani, A. N., 476, 483 Vatanavicharn, S., 395 Vatassery, G. T., 120 Vaughan, D. G., 191 Vavich, M. G., 166, 168, 169, 442 Veerkamp, J. H., 416-19, 423, 425 Veitch, R. L., 460, 464 Velez, H., 121 Vendeland, J., 191 Venge, O., 165 Venkatachalam, P. S., 195-97 Venkataswamy, G., 194 Venkateswarlu, P., 117 Verdonck, L., 475 Vergin, H., 268, 269 Vergroesen, A. J., 340, 351 Verheul, H., 25 Vermeer, C., 294, 298-300, 305-7 Vermeulen, A., 475 Vermorel, M., 109 Vernie, L. N., 262 Vernon, J., 545 Vesell, E. S., 224 Vessey, D. A., 541 Veyrac, M., 443 Viceps-Madore, D., 390, 463 Vick, N., 466 Vickers, P., 250 Vieira, E. C., 200 Villalobos, J., 437, 438 Vina, J. R., 45, 51, 59, 61 Vines, J. J., 121 Vinther-Paulsen, N., 480 Vinvard, E., 33 Vir. S. C., 464 Virayotha, V., 392, 393 Vis, R. D., 25 Visakorp, J. K., 251 VISEK, W. J., 137-55; 144-47, 149, 150, 536 Vles, R. O., 343 Vo-Khactu, K. P., 378, 383 Voelter, W., 267 Vogt. M., 174, 175 Vohra, P., 174 Volbert, F., 357 Volle, C. P., 395 Volosin, M. T., 394 von Bahr, C., 216 von der Decken, A., 140 von Holt, C., 428, 430 Von Meyenfeldt, M. M., 74 Von Wartburg, J.-P., 212 Voorhoeve, H. W. A., 192 Voorhorst, C. D., 378, 379 Vore, M., 220

Vorhees, C. V., 162 Vose, G. P., 478, 480 Vuilleumier, J. P., 380, 382, 383

W

Wabnitz, C. H., 264 Wada, H., 461 Waddell, C. C., 394 Wade, A. E., 220 Wade, R. D., 462 Wadsworth, A. D., 423, 431, Wagenmakers, A. J. M., 418. 419, 423, 425 Wagner, B., 480 Wagner, C., 380, 381 Wagner, P. A., 392 Wahbi, S. D., 531 Wahlefeld, A. W., 391 Wahner, H. W., 473-75 Wahren, J., 421, 437-39, 443 Waisman, H. A., 169 Wakabayashi, A., 380 Wakeling, A. E., 144-46 Wakinson, M., 56 Waku, K., 363 Walajtys-Rode, E., 416, 425 Walcott, A., 477, 479 Wald, G., 184 Waldbott, G. L., 116, 118 Waldenlind, L., 380 Walenga, R. W., 344 Walien, C. I., 184 Walker, B. L., 464 Walker, F. J., 283 Walker, H. E., 342, 352 Walker, W. A., 236-38, 251 Wallace, P. G., 223 Wallace, R. J., 543 Wallace, W. A., 473 Wallcave, L., 221 Waller, R. L., 173 Wallin, R., 298, 303, 306, 310, 315, 318 Wallshein, V., 507 Walser, M., 148, 149, 410, 411, 423, 425, 428, 441, 536 Walsh, P. R., 391 Walsh, W. A., 316, 318 Walter, S. J., 303, 464 Walters, M. R., 506 Walton, J. L., 116, 119 Walz, D. A., 290 Walzer, M., 241 Waneck, G., 292 Wang, J.-L., 214 Wang, M., 146 Wang, N. T., 290

Wang, T. M., 540 Wangaard, C. H., 243 Waniyapong, T., 192 Ward, G. M., 533, 538 Wardrop, C. A. J., 87 Waring, P. P., 378, 391 Warman, N. L., 47 Warner, D. T., 141, 144 Warner, E. D., 322 Warnock, L. G., 378, 380, 381 Warren, D. L., 215 Warty, V., 215 Wasi, P., 395 Waslien, C. I., 57 Wasserman, R. H., 506, 507 Wassmer, A., 382 Watanabe, M., 351 Waterhouse, C. E., 547 Waterhouse, H. N., 530 Waterlow, J. C., 44, 51, 430, 431, 434 Waterman, M. R., 210, 215. 216 Watkinson, M., 50, 56 Watrach, A. M., 272 Watrach, M. A., 272 Watson, J. S., 4 Watt. B. K., 439 Wattenberg, L. W., 222 Waxler, S. H., 352 Waxman, S., 394, 395 Waymack, P. P., 442 Weber, F., 382, 383 Weber, W. W., 214 Webster, A. J. F., 107-9 Webster, G. R., 308 Wecksler, W. R., 505, 507 Weddle, D. A., 125-27 Weeks, C. E., 380 Weetman, D. A., 120 Wegner, M. E., 26 Wei, S. H. Y., 116, 118, 119, 121 Wei, S-P.L., 352 Weigand, D. A., 432 Weigensberg, B. I., 348, 351, 357, 361 Weihrauch, J. L., 341 Weil, W. B., 43, 44 Weimar, V. L., 163, 165 Wein, E. H., 478 Weiner, H., 213 Weisburger, J. H., 225 Weisman, Y., 477, 496, 509 Weismann, K., 84 Weissman, A., 159 Weiz. Z., 116, 118 Welch, R. M., 223, 547 Welch, S. G., 383 Weleber, R. G., 149 Weller, L. A., 142, 146 Wells, A. F., 343 Welton, A. F., 222 Wen, Z., 85, 258, 272

Wendel, A., 213, 222, 267-69, 383 Wennerstrom, D. E., 343 Wenzel, A., 116, 128 Wenzel, D. G., 345 Wergedal, J. E., 422, 536 Wermuth, B., 212 Werringloer, J., 218 Went, J. J., 411, 419, 439 Wesdorp, R. 1., 74 Wesdorp, R. I. C., 145 Weser, V., 269 Wespi, H. J., 121, 125, 128 West, C., 191 West, C. E., 352 West, K. P., 199, 200 West, S. B., 215 Westall, R. G., 539 Westley, J., 214, 217 Westreich, V., 125-27 Weswig, P. H., 273 Wever, R., 173, 174 Whalen, J. P., 478, 480 Whanger, P. D., 273 Whedon, A. D., 530 Whigham, W. R., 394, 395 Whitacre, M. E., 272 White. D. A., 46, 270, 272 White, H. B. III, 383, 384 White, O. D., 111 White, T. D., 527 Whitehead, E. I., 258, 260 Whitehead, R., 44, 49 Whitehead, R. G., 44, 45, 49, 50, 53, 55-57 Whitford, G. M., 116, 123, 125, 127 Whiting, R., 84 Whitlon, D. S., 303, 306, 312, 315, 318 Whitman, W. B., 29, 30 Whitsett, J. A., 496 Whittemore, C. T., 111 Whittle, H. C., 199 Whitwell, J., 83, 84 Wiatrowski, E., 116, 118, 122. 123, 125, 127, 128 Wichmann, J. K., 499 Wickramasinghe, S. N., 395, 304 Widdowson, E. M., 480, 544 Wieder, R., 352 Wiegand, R., 352, 355 Wiegand, R. D., 352 Wieland, R. G., 475 Wiest, L., 218 Wightman, D., 126, 127 Wilde, C. J., 46, 59 Wiles, S. G., 45, 50 Wilkinson, R., 476 Willebrands, A. F., 360, 361 Willey, F., 305 Williams, A. K., 387

Williams, D. C., 378 Williams, D. G., 379, 382
Williams, D. G., 379, 382
Williams, D. H., 499 Williams, D. L., 34, 35 Williams, D. R., 31
Williams, D. R., 31
Williams, H. E., 76
Williams, H. H., 204 Williams, J. O., 176
Williams, H. E., 76 Williams, H. H., 264 Williams, J. O., 176 Williams, K., 383
Williams, P. E., 423, 423, 434
Williams, R. H. P., 87, 391 Williams, R. J., 416
Williams, R. T., 547
Williams, V., 499, 500
Williams, R. T., 547 Williams, V., 499, 500 Williams, W. J., 393 Williamson, A. D., 186
Williamson, D. H., 43, 40, 31,
58, 61, 435
Williamson, J. A., 464 Williamson, J. R., 410, 416,
425
Williamson, M. T., 416
Willingham, A. K., 299, 305, 306, 310
306, 310 Willis, C. E., 272
Willis, D. M., 507
Willis, D. M., 507 Wills, M. R., 391 Wilmore, D. W., 323
Wilms, J., 173, 174
Wilms, J., 173, 174 Wilson, D. R., 83, 197 Wilson, E. D., 480
Wilson L. G. 262
Wilson, P. D., 461 Wilson, S. D., 394
Wilson, S. D., 394
Windebank, A., 466 Windmueller, H. G., 423, 457,
537
Wing, D. A., 306
Wing, R. M., 494-96 Winitz, M., 146, 536, 537
Winitz, M., 146, 536, 537 Winje, M. E., 436
Winston P W 22
Winterrowd, D. L., 536, 537
Winter, J. A., 342, 351 Winterrowd, D. L., 536, 537 Winters, R. W., 149
Wirth, P. J., 218
Wise, K. L., 423, 425 Wishizuka, Y., 352
Wiske, P. S., 476
Wislocki, P. G., 210, 217, 218
Wisnicky, W., 545 Wiss, O., 308, 316, 321, 325
Witmer, G., 509
Witting, L. A., 264
Witty, R., 140 Witzel, S., 545
Wixom, R. L., 141-44
Wixom, R. L., 141-44 Wlodawer, P., 212
Wohlhueter, R. M., 158, 159, 161, 162, 165, 168, 169,
171-73, 175, 176, 410,
415, 417, 418, 428-32,
436, 438-42

Wolf, A. V., 528
Wolf, B., 87
Wolf, G., 184 Wolf, H., 77, 464
Wolf, H., 77, 464
Wolf, P. A., 144
Wolf, R. C., 169 Wolfe, H., 390
Wolfe I S 347
Wolfe, L. S., 347 Wolfe, R. S., 29, 30
Wolfe-Lande, J. D., 164
Wolfensberger, M. R., 296
Wolff, R., 344
Wollheim, C. B., 46 Wolman, S. L., 84 Wolters, W., 259, 260 Womack, M., 144, 146
Wolman, S. L., 84
Womesk M. 144 146
Wong, E., 320
Wong, M., 501, 504
Wongsurawat, N., 501, 502,
504
Woo, S. L., 285 Wood, A. W., 217, 218 Wood, B., 378
Wood, A. W., 217, 218
Wood, B., 378
Wood, G. C., 219 Wood, H. G. 29, 30
Wood, R. J., 82, 343, 348-50.
352, 355, 361, 365, 482
Wood, H. G., 29, 30 Wood, R. J., 82, 343, 348-50, 352, 355, 361, 365, 482 Wood, T. R., 144, 146
Woodbury, R. M., 251
Woodcock, B. G., 219
Woodford, J., 546
Woodhill, M. L., 478 Woods, H. F., 87
Woolf, G. M., 76
Woolf, L. I., 158
Woolf, L. I., 158 Woolley, D. W., 321
Worms, M. J., 524
Worthley, L. I., 74
Wegish D. G. 240
Wozenski, J. R., 460, 462 Wraith, D. G., 249 Wright, C., 215 Wright, P. L., 259
Wright, P. L., 259
Wright, R. E., 185, 186,
238
Wright, R. R., 225 Wright, S. T., 210, 215 Wright, W. L., 69 Wriston, J. C., 524, 540 Wu, A. S. H., 273, 395
Wright, S. T., 210, 215
Wriston I C 524 540
Wn A S H 273 395
Wu. M 237
Wu, M., 237 Wu, V-Y., 283
Wurtman, J. T., 54
Wurtman, R. J., 158, 411,
434
Wuthier, R. E., 127
Wyllie, R., 147 Wynder, F. I., 225, 352
Wynder, E. L., 225, 352 Wynick, D., 464
Wyrwicka, W., 527

X

Xavier, A. V., 29, 30

Y Yaffe, S. J., 222 Yagi, H., 218 Yamada, C., 428, 429, 437, 439 Yamada, R., 456 Yamada, S., 499, 507, 508 Yamaguchi, H., 499 Yamaji, A., 86 Yamamoto, L. A., 258 Yamamoto, Y., 163 Yamanaka, W. K., 142 Yamasaki, Y., 411, 412 Yamashita, K., 143 Yan, S. B., 462 Yang, B. I., 388 Yang, C. S., 221-23 Yang, G. Q., 258, 272 Yang, R. D., 425 Yang, S. K., 222 Yang, W. H., 239 Yang, Y. T., 58, 109 Yano, J., 259 Yap, K. T., 196 Yasumoto, K., 389 Yasumura, M., 496 Yates, M. G., 29 Yates, S. G., 283 Yatvin, M. B., 427 Yawata, Y., 73 Yeaman, S. J., 414, 416 Yeh, J. K., 476, 483 Yeh. M.-H., 172, 173 Yeh. S-J. C., 347 Yen, J. T., 109 Yiengst, M. J., 82 Yokomine, R., 381 Yokota, F., 172 Yokoyama, M. T., 167 Yoshimura, H., 77 Yoshimura, N., 145 Yoshimura, N. N., 410, 433, 435 Youlten, L. J. F., 250 Young, D. S., 385, 391 Young, J. H., 82-84 Young, R. W., 387, 388 Young, V. R., 85, 139, 140, 143, 425, 427, 438, 441 Young, W. O., 116, 121 Yu, P., 345, 346, 350, 357, 364 Yu. P. H., 345, 350 Yui, Y., 380 Yung. S., 465 Yunginger, J. W., 239

7

Zabel, N. L., 85 Zacheri, W. A., 116 Zachman, R. D., 88 Zackowski, J. J., 265 Zaklama, M. S., 197 Zapalowski, C., 410, 413, 419, 422, 423, 431, 432, 434, 441 Zastrow, J. E., 245 Zawidzka, Z., 466 Zee-Cheng, R. K.-Y., 295, 306-8, 325 Zeiger, S. Z., 250, 251 Zemel, M. B., 482 Zenker, J. A., 294 Zenker, J. A., 294

Zemel, M. B., 482 Zenker, J. A., 294 Zensen, T. V., 500, 504 Zenser, T. V., 501, 502, 504 Zerner, B., 28-30 Zervas, N. T., 478
Zetterqvist, H., 477
Zeuner, F. E., 522
Zhou, L., 116, 118
Ziegler, D. M., 210, 223
Ziegler, E., 121, 128
Zielinski, W. L. Jr., 385
Ziemlanski, S., 348, 355
Ziewe, L., 174
Zimmerman, A., 310, 312
Zimmerman, D. R., 49
Zimmerman, E. R., 116, 128
Zimmerman, R. A., 143

Zimmerman-Telschow, H., 435 Zipkin, I., 122, 125 Zittoun, J., 396 Zittoun, R., 396 Zlotkin, S. H., 82, 84 Zohrab, W. J., 69 Zoli, M., 434, 439 Zolovick, A. J., 527 Zorn, E. M., 475 Zusman, I., 509 Zylberstern, D., 117, 125, 126, 128 Zytokovicz, T. H., 282, 284



SUBJECT INDEX

A	American Revolution food regulation and, 6	in cats, 550 Arginine
Acarboxyprothrombin, 288	Amethopterin	essentiality of, 144-49
secretion of, 290	phenylketonuria research and.	gyrate atrophy and, 149
Achlorhydria	159	hereditary urea cycle deficien-
gastrointestinal infection and,	Amino acid deficiency	cies and, 148-49
236	milk production and, 59-60	orotic acid excretion and.
Actinomycin D	Amino acids, 137–50	149-50
vitamin K-dependent carbox-	dispensable vs. indispensable.	protein repletion, insulin, and
ylation and, 295-96	138-39	glucose tolerance and.
Acyl CoA:cholesterol acyl trans-	feline nutrition and, 535-42	146-47
ferase	metabolism of	recovery from trauma and,
cholesterol ester biosynthesis	arsenic acid, 23	148
and, 363-64	nitrogen balance and, 139-40	Reye's syndrome and, 147-48
Acyl CoA synthetase	requirements in home	Arginine deficiency
lipid metabolism and, 358-59	parenteral nutrition, 76-	in cats. 535-36
Adenosine triphosphate	77	Arginine metabolism
branched-chain ketoacid de-	see also Branched-chain	arsenic and, 23
hydrogenase and, 415-16	amino acids	Argininosuccinase lyase de-
Africa	Amino acid toxicity, 157-76	ficiency
xerophthalmia and, 192-93	D 175-76	arginine supplementation and,
Age	histidine, 168-71	148-49
osteoporosis and, 475	methionine, 171-75	Arsenic
vitamin B6 deficiency and,	phenylalanine, 158-62	biological functions of, 22-23
464	tryptophan, 165-67	Arsenic deficiency
xenobiotic metabolism and,	tyrosine, 162-65	signs of, 22-23
224	Ammonia intoxication	Arthritis
xerophthalmia and, 195	arginine and, 144-47	boron supplementation and,
Aging	orotic acid excretion and, 149	24
silicon nutrition and, 32	see also Hyperammonemia	Artificial preservatives
D-Alanine	Anemia	ancient views on, 2
growth depression and, 176	blind loop syndrome and, 236	Aryl hydrocarbon hydrolase
Alcoholic beverages	copper deficiency and, 85	hydrogenated fats and
fluoride in, 121	lead deprivation and, 26	isomeric fatty acids and,
Alcoholism	vitamin B6-responsive, 465	346
folic acid deficiency and, 392	Animals	Ascorbic acid
vitamin B6 deficiency and,	energy partition in, 103	feline nutrition and, 547
464-65	energy requirements of	parenteral nutrition and, 86
xerophthalmia and, 190	feed energy values and.	Asia
Aldehyde oxidase	105-6	xerophthalmia and, 191-92
pyridoxic acid formation and.	energy transactions in, 104-5	D-Aspartate
461	nutritional energetics of, 101-	growth depression and, 176
Alkali ingestion	12	Asthma
calcium absorption and, 480	Anorexia nervosa	food allergy and, 241
Allergic rhinitis	drug clearance in, 219	Atherosclerosis
food allergy and, 241	zinc supplementation and, 170	hydrogenated fats and, 350-51
Allopurinol	Anticoagulants	prostaglandins and, 352
orotic acid excretion and, 149	prothrombin biosynthesis and,	silicon nutrition and, 32
Alopecia	317	5-Azauridine
zinc deficiency and, 84	Anticonvulsants	orotic acid excretion and, 149
Aluminum	calcium absorption and, 480	
parenteral nutrition and, 83	Antigens	В
American Medical Association	gastrointestinal absorption of.	
Council on Foods and	236-37	Baby formulas and foods
Nutrition, 8–9	Arachidonate deficiency	fluoride in, 118-19
wallion, o >		

Bacteria interorgan relationships in. receptors for, 505-6 420-27 Calcium deficiency nickel metalloenzymes and, 29-31 in organs and tissues, 417bone and, 478-83 Basal metabolism 20 Calcium supplementation in animals, 106-10 rates of, 419-20 osteoporosis and, 483-85 variations in, 107-10 Branched-chain ketoacid dehy-Calories nutritional, 102 Basophil histamine release drogenase food allergy diagnosis and, diet and, 429-32 requirements in home distribution of, 413-15 parenteral nutrition, 76-244-45 hormones and, 432-33 Benzoic acid regulation of, 415-17 toxicity to cats, 547 Cancer Beverages Branched-chain ketoacids dietary fat and, 351-52 fat metabolism and, 350 fluoride in, 120-21 metabolism of, 411-17 interorgan relationships of, selenium and, 272 Biliary disease 420-27 Candida infection xerophthalmia and, 190 in organs and tissues, 417home parenteral nutrition pa-Biliary obstruction vitamin K deficiency and, 20 tients and, 73 323 rates of, 419-20 Carbohydrate loading Biopterin deficiency Breast cancer renal calcium reabsorption and, 82 hyperphenylalaninemia and, dietary fat and, 352 158 Breast-feeding Carbohydrates Biotin vitamin B6 deficiency and, feline nutrition and, 530-32 feline nutrition and, 547 463-64 metabolism of Biotin deficiency Brodifocoumarin chromium and, 85 parenteral nutrition and, 87 vitamin K inhibition and, 319 xenobiotic metabolism and, Bitot's spots 219-20 **Rromine** vitamin A deficiency and, biological functions of, 24-25 Carboxyglutamic acid 184-87 Bulk presence in prothrombin, 282-Blind loop syndrome, 236 xenobiotic metabolism and, 84 Carboxylation Blindness 223 xerophthalmia and, 194 Butylated hydroxyanisole prothrombin biosynthesis and, tumorigenesis and, 222 Body weight 287-88 basal metabolism and, 106 Butylated hydroxytoluene vitamin K-dependent, 293-Bone tumorigenesis and, 222 308 calcium deficiency and, 478vitamin K antagonism of, 320 Carcinogenicity anti-oxidants and, 222 **B** vitamins xenobiotic metabolism and, fatty acids and, 352 biological functions of, 24 220-21 selenium and, 272 tryptophan and, 166 Bowel obstruction home parenteral nutrition and, Carcinogens food processing and, 211-12 Brain protein synthesis Cadmium Cardiac arrhythmias phenylalanine levels and. biological functions of, 25 magnesium deficiency and, 84 161-62 parenteral nutrition and, 83-Cardiomyopathy Branched-chain amino acid amiselenium deficiency and, 85 Caffeine notransferase Cardiovascular disease oxidate drug metabolism and, diet and, 428-29 selenium and, 272 distribution of, 411-12 222 Carnitine deficiency hormones and, 429 Calcitonin parenteral nutrition and, 77 regulation of, 413 osteoporosis and, 475, 478 Casein Branched-chain amino acid vitamin D metabolism and, allergenicity of, 239 501 mammary protein synthesis and, 51 carbon Calcium metabolism of, 423-24 Branched-chain amino acid nifeline nutrition and, 543 views on artificial preservametabolism of trogen metabolism of, 421-23 boron and, 24 tives and flavors, 2 vitamin D metabolism and, cDNA Branched-chain amino acids antagonism, 435-43 502 coding for prothrombin, 285blood and tissue concentra-Calcium balance tions of, 433-35 home parenteral nutrition and, Celiac sprue metabolism of, 411-17 diagnosis of, 251

Calcium-binding protein

vitamin D-dependent

Cell-mediated immunity

gastrointestinal, 238

diet and hormones and.

427-33

15-17

zinc deficiency and, 84

hydrogenated fats and

345-46

Diabetes mellitus

Depression

Desaturases

Food and Nutrition Service of,

isomeric fatty acids and,

lipid metabolism and, 364-67

hydrogenase and, 432

branched-chain ketoacid de-

erythrocyte transketolase

Central America xerophthalmia and, 193 Cephalosporins vitamin K-reversible hemorrhage and, 319 Chicken pox xerophthalmia and, 198 Chickens methionine toxicity in, 174 Child Nutrition Act, 16-17 Chinese restaurant syndrome. 243 Chlorine feline nutrition and, 544 D-Chlorophenylalanine phenylketonuria research and. 159-60 Cholecalciferol deficiency boron and, 24 Cholelithiasis food ingestion and, 244 Cholesterol esterase lipid metabolism and, 363-64 Cholesterol hydrolase lipid metabolism and, 363-64 Choline feline nutrition and, 547 Chromium nutritional essentiality of, 22 parenteral nutrition and, 85 Cirrhosis plasma branched-chain amino acid concentrations and, 433 xerophthalmia and, 190 Citrulline feline nutrition and, 537 Citrus beverages fluoridated, 121 fluoride bioavailability in. 127 Coagulation prostaglandins and, 353 protein C and, 283 Coagulation proenzymes vitamin K-dependent, 283 xerophthalmia and, 190 Collagen cross-linking mechanism in silicon and, 32 Collagen vascular disease gastrointestinal manifestations of. 244 Dairy products Conjugation xenobiotic metabolism and, Dental caries 213-14

Conjunctiva

vitamin A deficiency and.

silicon deficiency and, 31-32

Conjunctival xerosis, 185-87

185-87

Connective tissue

Copper parenteral nutrition and. 84 Copper balance parenteral nutrition and, 84-85 Cornea vitamin A deficiency and. 187-89 Coronary heart disease fat metabolism and, 350 Cortisol branched-chain amino acid aminotransferase and. calcium absorption and, 480 Coumain vitamin K-2,3-epoxide reductase and, 312 Coumarin hypoprothrombinemia and. 324 prothrombin and, 288 Coumarin derivatives chemical carcinogenesis and. 222 Crohn's disease home parenteral nutrition and, 70-71 Cromolyn sodium food allergy treatment and. 249-50 Cycloheximide vitamin K-dependent carboxylation and, 295-96 Cystathioninuria vitamin B6 and, 465 Cystic fibrosis elimination diets and, 247 fat metabolism and, 350 xerophthalmia and, 190 Cytochrome P-450 hydrogenated fats and isomeric fatty acids and. 346 induction of, 215-16 xenobiotic metabolism and. 209-10 Cytotoxic testing food allergy diagnosis and. 245

enrichment of, 10

fluoride and, 25, 115-16

Deoxyuridine suppression test

and, 395-96

Department of Agriculture

creation of, 6

Dental fluorosis, 116, 122, 128

folic acid nutriture assessment

activity and, 379 D-2,3-Diaminopropionic acid nephrotoxicity of, 175-76 gastrointestinal tract lining and, 237 xerophthalmia and, 198 Dicarboxylic acids toxicities of, 158 Dicumarol prothrombin and, 282 Diet branched-chain amino acid metabolism and, 428-32 elimination, 247-49 health and governmental involvement in. 13-17 lamb and rice, 248 Difenacoum vitamin K-2.3-epoxide reductase and, 312 Difenacoumarin vitamin K inhibition and, 319 Digestible energy, 104 Dihydrobiopterin synthetase deficiency hyperphenylalaninemia and. 158 Dihydropteridine reductase deficiency hyperphenylalaninemia and. 158 1,25-Dihydroxyvitamin D3, 500 pancreas and, 506-8 receptors for, 505-6 stem cell differentiation and, 50X 24,25-Dihydroxyvitamin D3 biological actions of, 508-9 Dioxygenases xenobiotic metabolism and, 210 Diphenylhydantoin prothrombin levels and, 319 Disaccharidase deficiency elimination diets and, 247 Dithiothreitol vitamin K-dependent carboxylation and, 299

hydrogenase and, 432

food allergy treatment and,

Erythrocyte alanine aminotrans-

249

ferase

Diverticulosis vitamin B6 nutriture assessserum lipid and lipoprotein ment and, 390-91 concentrations and, food ingestion and, 244 Erythrocyte aspartate amino-347-48 Drinking patterns tissue lipid class concentraof cats, 528-29 transferase Drug therapy vitamin B6 nutriture assesstions and, 348-49 orotic acid excretion and, 149 ment and, 390-91 FDA Duodenal ulcer Erythrocyte glutathione reductase see Food and Drug Adminisriboflavin nutriture assessment food ingestion and, 244 tration and, 382-83 Federal Trade Commission E Erythrocyte transketolase food advertising regulation thiamin nutriture assessment and, 15 and, 378-82 Feed energy values Edentalism calcium deficiency and, 478 Erythropoiesis animal energy requirements and, 105-6 Elastin histidine and, 143 Estrogen replacement therapy Feeding patterns cross-linking mechanism in osteoporosis and, 475 of cats, 525-28 silicon and, 32 Feeds Elimination diets Estrogens food allergy diagnosis and, vitamin D metabolism and, selenium in, 258 Feline nutrition, 521-53 247-49 502 Ethanol amino acid intolerance and, Elongases hydrogenated fats and xenobiotic metabolism and, 542 isomeric fatty acids and. 223 amino acid requirements in, 535-42 345-46 Ethionine toxicity, 174-75 lipid metabolism and, 364-67 carbohydrates in, 530-32 Europe xerophthalmia and, 190 Emphysema drinking patterns and, 528-29 ruminant interstitial pulmonary Exanthems essential fatty acids in, 547tryptophan and, 167 xerophthalmia and, 198 Exudative diathesis feeding patterns and, 525-28 Energy metabolism lactation and, 45-47 selenium and, 257 food intake regulation and, **Energy nutrition** 525-28 maternal, 48-50 lipids in, 532 minerals in, 543-45 **Energy transactions** in animals, 104-5 protein requirements in, 533-Enteritis **Fasting** 34 xerophthalmia and, 190 xenobiotic metabolism and, rhythmicity in, 524-25 vitamins in, 545-47 Enzyme deficiencies 219 food allergy and, 244 Fats water requirements in, 528-29 orotic acid excretion and, 149 hydrogenated Felinine Enzyme induction feline nutrition and, 539-40 absorption of, 342-43 atherosclerosis and, 350-51 xenobiotic metabolism and, Fertility fluoride and, 26 215-16 dietary intake of, 341-42 Enzyme-linked immunosorbant growth rates and, 343-44 **Fibrinolysis** lipid-metabolizing enzymes protein C and, 283 assay food allergy diagnosis and, and, 345-47 Fish products 244 45 tissue prostaglandins and, fluoride bioavailability in, 127 vitamin B6 nutriture assess-353 Flavanoids ment and, 390 Fatty acids, 340-67 chemical carcinogenesis and, Enzyme localization carcinogenicity of, 352 222 xenobiotic metabolism and, feline nutrition and, 547-52 Flour 214-15 isomeric enrichment of, 9 Enzymes absorption of, 342-43 fluoridated, 121 lipid-metabolizing cell function and, 344-45 activity of, 345-47 dietary intake of, 341-42 requirements in home parenteral nutrition, 75-Eosinophilic gastroenteritis, 252 dietary sources of, 340-41 Epilepsy enzyme systems for, 358-76 vitamin B6 and, 465 Fluoride, 115-29 Epinephrine fatty acid composition and, analysis of branched-chain ketoacid de-349-50 methodology for, 117

incorporation, distribution,

lipid-metabolizing enzymes

and, 345-47

and turnover of, 353-

dietary

22

bioavailability of, 125-29

intake of, 122-25 in foods and beverages, 118-

parenteral nutrition and, 84 Fluorine biological functions of, 25-26 Fluorometry thiamin nutriture assessment and, 382 Folacin see Folic acid Folate see Folic acid Folate deficiency drug metabolism and, 221 parenteral nutrition and, 87 Folic acid feline nutrition and, 547 parenteral nutrition and, 86 Folic acid nutriture assessment of, 392-96 Food additives xenobiotic metabolism and. 221-22 Food adulteration Accum's treatise on, 5 Food and Drugs Act of 1906 and, 6-7 Food, Drug, and Cosmetic Act of 1938 and, 7-13 Food allergy, 233-53 delayed, 251-52 gastrointestinal histology and, 235-36 immediate clinical features of, 241 diagnosis of, 242-49 etiology and pathogenesis of, 238-41 prevention of, 250-51 therapy of, 249-50 prevention of in infants, 250 Food and Drug Acts of 1906, 6-Food and Drug Administration dietary recommendations of, 14-15 functions of, 7-17 Food faddists xerophthalmia and, 191 Food fortification AMA Council on Foods and Nutrition and, 8-9 FDA policy on, 12-13 xerophthalmia and, 199-200 Food imitations FDA definition of, 11 Food intake depression excess leucine and, 442-43 Food intake regulation in cats, 525-28 Food labeling regulations for, 10-11 Food names

FDA requirements for, 11-12

Food protein-induced gastroenteropathy, 251-52 Fonds adverse reactions to, 234 antigenic substances in, 239 fluoride in, 118-20 selenium in, 258 substances causing food intolerance in, 242 Food Stamp Act of 1977, 15 Food supply regulation of, 1-17 American experience in, 5-English experience in, 4 Fungal infection home parenteral nutrition patients and, 73 Galen views on food supply adulteration, 3 Gas chromatography thiamin nutriture assessment and, 382 Gastric malignancy food ingestion and, 244 Gastric ulcer food ingestion and, 244 Gastroesophageal reflux food ingestion and, 244 Gastrointestinal tract histology of, 235-36 immunologic host defense mechanisms and, 237-38 nonimmunologic host defense mechanisms and, 236-37 Gastrointestinal transit time calcium absorption and, 480 Gastroschesis home parenteral nutrition and, Glucagon

Food processing carcinogens and, 211-12

Glucocorticoids lactation and, 48 Glucokinase glucose phosphorylation and, 531 Gluconeogenesis postabsorptive state and, 531 Glucose deficiency milk production and, 59–60 Glucose-6-phosphate dehydrogenase deficiency food allergy and, 244

branched-chain ketoacid de-

and, 164

liver tyrosine aminotransferase

hydrogenase and, 432-33

Glucose tolerance arginine and, 146-47 Glucose tolerance factor chromium and, 85 **D-Glutamate** growth depression and, 176 Glutamyl carboxylase vitamin K-dependent, 293-308 Glutathione peroxidase metabolic function of, 270-71 selenium and, 257-58, 267-70 Glutathione reductase pathway selenodiglutathione and, 262 Gluten-induced enteropathy diagnosis of, 251 Gluten-sensitive enteropathy elimination diets and, 247 Glycine methionine toxicity and, 172-73 Glycosylation cytochrome P-450 and, 215 prothrombin biosynthesis and, 288 Government integrity of food supply and,

Growth depression histidine and, 168 Growth hormone vitamin D metabolism and, 503 Gyrate atrophy arginine and, 149 vitamin B6 and, 465

1-17

H

Health diet and governmental involvement in, 13-17 Hematocrit histidine deficiency and, 142 vanadium deficiency and, 34 Hematopoiesis fluoride and, 26 lead deprivation and, 27 nickel deprivation and, 28 Hemodialysis bromine deficiency and, 25 Hemoglobin histidine deficiency and, 142 Hemolytic anemia histidine deficiency and, 142 Hemorrhagic disease of newborn vitamin K deficiency and, 322-23 Hepatic carcinoma abnormal prothrombin and,

293

Hepatic disease branched-chain amino acids and, 410 Hepatoencephalopathy liver insufficiency and, 145 Hexokinase glucose phosphorylation and, 531 Hiatal hernia food ingestion and, 244 High-performance liquid chromatography folic acid nutriture assessment and, 392-93 niacin nutriture assessment and, 385-87 riboflavin nutriture assessment and, 383-84 thiamin nutriture assessment and, 379-82 vitamin B6 nutriture assessment and, 387-88 Hippocrates views on food and health, 2 Hirschsprung's disease long-segment home parenteral nutrition and, 71 Histidine essentiality of, 141-44 feline nutrition and, 538-39 Histidine toxicity, 168-71 alleviation of, 170-71 Home parenteral nutrition, 69-94 calorie and amino acid requirements in, 76-77 cost issues in, 92-93 ethical issues in, 89-92 fluid requirements in, 75-76 legislative issues in, 93-94 mineral requirements in, 77patients on age distribution of, 71 diagnoses of, 70-71 morbidity of, 72-74 mortality of, 71-72 vitamin requirements in, 86-88 Homocysteine methionine toxicity and, 173-Homocystinuria vitamin B6 and, 465 Hormones branched-chain amino acid metabolism and, 429. 432-33 milk secretion and, 57-58 osteoporosis and, 474-78

Host defense mechanisms

gastrointestinal, 236-38

Ingested energy, 104 Humoral immune system gastrointestinal, 237 Insomnia Hydrolysis bromine deficiency and, 25 xenobiotic metabolism and, Insulin 213 plasma branched-chain amino 4-Hydroxycoumarin drugs acid concentrations and, action of, 316-19 434-35 25-Hydroxylation Insulin overdose vitamin D. 498-500 arginine and, 146 p-Hydroxyphenylpyruvic acid Insulin release tyrosine toxicity and, 164 leucine and, 410 25-Hydroxyvitamin D3hydroxylases, 500 parenteral nutrition and, 86 Hyperammonemia Iodine deficiency arginine and, 144-47 in cats, 544 feline, 535-36 Iron metabolism lead deprivation and, 27 orotic acid excretion and, 149 Ischemic bowel infarction Hypercalciuria home parenteral nutrition and, sulfate-induced parenteral nutrition and, 82 Hypercholesterolemia Isoleucine histidine-induced, 170 antagonism, 440-42 feline nutrition and, 538-39 Hyperinsulinemia renal calcium reabsorption see also Branched-chain amiand, 82 no acids Hyperlipidemia histidinemia and, 169 Hypermethioninemia, 171 Hyperoxaluria vitamin B6 and, 465 xerophthalmia and, 190 Hypertension prostaglandins and, 352 silicon nutrition and, 32 Hypocalcemia Keratomalacia, 187, 189 magnesium deficiency and, 84 kwashiorkor and, 194 Hypochromic microcytic anemia Keshan disease selenium and, 272-73 lead deprivation and, 26 Hypokalemia Ketoacids magnesium deficiency and, 84 see Branched-chain ketoacids Hypoprothrombinemia Kwashiorkor drug metabolism and, 219 liver disease and, 324 oral anticoagulant agents and. keratomalacia and, 194 317 lactation and, 57 salicylates and, 319 Kynurenine pathway tryptophan metabolism and, Hypoxia xenobiotic metabolism and, 166-67 224-25 L Lactalbumin Immobilization allergenicity of, 239 calcium absorption and, 480 Lactase deficiency Immune defects food allergy and, 244 zinc deficiency and, 84 Immunoglobulin E arsenic deprivation and, 22 immediate food hypersensitivprotein and energy metabolism ity and, 240 during, 45-47 Indoleamine pathway protein and energy requiretryptophan metabolism and, ments for, 44-45

Inflammatory bowel disease

70-71

home parenteral nutrition and,

vitamin B6 deficiency and,

463-64 Lactoglobulin

allergenicity of, 239

magnesium deficiency and, 84

Liver disease Metabolic body weight, 106-9 biological functions of, 26-27 abnormal prothrombin and, Metabolic bone disease home parenteral nutrition and, Lecithin:cholesterol acyl transvitamin K deficiency and, 324 82-84 ferase cholesterol ester biosynthesis Liver insufficiency Metabolic hormones and, 363-64 hepatoencephalopathy and, release and metabolism of hydrogenated fats and 145 arginine and, 146 isomeric fatty acids and, Lysine Metabolism feline nutrition and, 538-39 see Basal metabolism, Xeno-Leucine indispensability of, 138-39 biotic metabolism branched-chain amino acid mammary protein synthesis Metabolizable energy, 104 antagonism and, 436 and, 51 Metalloenzymes Lysozyme nickel, 28-31 excess blood amino acid responses allergenicity of, 239 Methanethiol to, 437-38 enzyme activity and, 173-74 food intake depression and, Methionine 442-43 histidine toxicity and, 170-71 Macaroni products mammary milk protein synthefeline nutrition and, 538-39 sis and, 59 growth depression and, 436 enrichment of, 10 isoleucine and valine antago-Magnesium Methionine toxicity, 171-75 nism and, 440-42 feline nutrition and, 543 Microcytic hypochromic anemia mammary milk protein syntheparenteral requirements for, copper deficiency and, 85 sis and, 59 84 Middle East xerophthalmia and, 192 pellagra and, 410 Magnesium metabolism protein synthesis and, 439 boron and, 24 Milk Malabsorption fluoridated, 121 rate of oxidation in vivo, 431 see also Branched-chain amigastrointestinal tract lining fluoride bioavailability in, and, 237 no acids 127 Leukopenia Malabsorption syndrome fluoride levels in, 118-19 vitamin K deficiency and, 323 copper deficiency and, 85 human Linoleate deficiency Malignant disease composition of, 54-55 home parenteral nutrition and, volume of, 55-56 in cats, 551 Linoleic acid desaturation Milk secretion dietary protein and energy zinc and, 84 Mammary blood flow lactation and, 60-61 and, 52-57 Linolenic acid Mandibular bone loss human requirement for, impaired 77 calcium deficiency and, 478 mechanisms of, 57-61 Minerals Lipases Manganese lipid metabolism and, 358 parenteral nutrition and, 84, feline nutrition and, 543-Lipids 86 45 feline nutrition and, 532 Marasmus requirements in home parenteral nutrition, 77lactation and, 57 serum isomeric fats and, 347-48 Margarine enrichment of, 10 xenobiotic metabolism and, isomeric fats and 348-49 Mast cell degranulation 221-22 xenobiotic metabolism and, local intestinal anaphylaxis Mitochondrial electron transport vitamin K and, 282 220 and, 240 Lipoprotein lipid classes Mast cells, 239 Molybdenum distribution of trans fatty Measles nutritional essentiality of, 22 acids into, 354-55 xerophthalmia and, 198-99 parenteral nutrition and, 85-Medical foods 86 Lipoproteins serum FDA policy on, 13 Monosodium glutamate Megaloblastosis Chinese restaurant syndrome isomeric fats and, 347-48 and, 243 Liquid chromatography parenteral nutrition and, 87 niacin nutriture assessment Menaquinones Mortality xerophthalmia and, 194-95 and, 385 absorption of, 308 see also High-performance li-Menopause mRNA quid chromatography renal calcium conservation prothrombin biosynthesis and, and, 479 284-86 biological functions of, 27-28 Mental retardation Multiple sclerosis tyrosinemia II and, 162 fat metabolism and, 350 gastrointestinal immune sys-Messenger RNA Muscle spasms

see mRNA

tem and, 238

Oral contraceptives

464

Oral food challenge

246-47

Orotic acid excretion

Organ weights

Osteoarthritis

Osteopenia, 473

folic acid deficiency and, 392

vitamin B6 deficiency and,

food allergy diagnosis and,

basal metabolism and, 107-10

feline nutrition and, 537

silicon nutrition and, 32 Osteomalacia, 483

Osteopenic postmenopausal frac-

calcium deficiency and, 478

hormonal alterations and,

sodium fluoride and, 25-26

arginine and, 149-50

ture syndrome

Osteoporosis, 471-85

474-78

Ovarian hormones

allergenicity of, 239

osteoporosis and, 475

allergenicity of, 239

allergenicity of, 239

359-61

212-13

209-12

hydrogenated fats and

Oxidation/reduction

fatty acyl CoA ester isomer.

xenobiotic metabolism and,

xenobiotic metabolism and.

isomeric fatty acids and.

Ovalbumin

Ovomucoid

Oxidation

Oxygenases

Oxygenation

Ovotransferrin

N NADP cytochrome c reductase hydrogenated fats and isomeric fatty acids and. 346 National Academy of Sciences Subcommittee on Medical Nutrition. 9 National School Lunch Act, 16 Nepal Blindness Survey, 191 Neutrophil hypersegmentation folate deficiency and, 396 Niacin feline nutrition and, 546-47 parenteral nutrition and, 86 Niacin deficiency drug metabolism and, 220 Niacin nutriture assessment of, 384-87 biological functions of, 28-31 Nicotinic acid see Niacin Night blindness parenteral nutrition and, 87-88 vitamin A deficiency and, 184-85 Nitroanisole demethylase hydrogenated fats and isomeric fatty acids and, 346 Nitrogen amino acid requirements and, 139-40 Nitrogen balance dietary arginine and, 144 lactation and, 49 N-Nitrosamines chemical carcinogenesis and, 224 Nontropical sprue diagnosis of, 251 Noodle products enrichment of, 10 North America xerophthalmia and, 190 Nucleic acid hydroperoxides glutathione peroxidase and. 268 Nutrition quality guidelines FDA, 12 Nutritional calorie

Pancreas 1.25-dihydroxyvitamin D3 in. 506-8 Pancreatic lipase triglyceride hydrolysis and, 358 definition of, 102 Nutritional energetics, 101-12 Pantothenic acid feline nutrition and, 547 terminology of, 103-6 Nutritional status Parathyroid hormone xerophthalmia and, 196-97 osteoporosis and, 475-77 parenteral nutrition and, 83 vitamin D metabolism and, 501 Pellagra, 384 fat metabolism and, 350 leucine and, 410

Pernicious anemia erythrocyte transketolase activity and, 380 Peyer's patches, 235-36 humoral response induction and, 237 Phenindandione anticoagulant activity of, 316 Phenobarbital enzyme induction and, 215 Phenols xenobiotic metabolism and. 222 Phenylalanine feline nutrition and, 538-39 food intake depression and, 442-43 mammary milk protein synthesis and, 59 plasma concentrations of leucine loading and, 437 Phenylalanine hydroxylase deficiency hyperphenylalaninemia and, 158 Phenylalanine toxicity, 158-62 Phenylketonuria, 158-62 Phosphatidylcholine vitamin K-dependent carboxylation and, 299 Phospholipid acyltransferase lipid metabolism and, 361-63 Phospholipids xenobiotic metabolism and, 216 Phosphopyridoxyllysine vitamin B6 deficiency and, 458 Phosphorus absorption of, 482 feline nutrition and, 543 metabolism boron and, 24 parenteral nutrition and, 83 requirements, 481 vitamin D metabolism and, 502 Phosphorylation branched-chain ketoacid dehydrogenase and, 416-17 cytochrome P-450 and, 215 Phylloquinone absorption of, 308 Pituitary hormones vitamin D metabolism and. 502-3 Platelet function prostaglandins and, 352

Pliny the Elder

views on food supply adul-

teration, 2-3

Pepsin

proteolytic activity of, 236

Obesity

food allergy diagnosis and, Polyneuritis Riboflavin nutriture erythrocyte transketolase 245 assessment of, 382-84 activity and, 379-80 Provocative sublingual testing Roman civil law Potassium food allergy diagnosis and. integrity of food supply and, 3 245 feline nutrition and, 543 Ruminant interstitial pulmonary Pregnancy Pulmonary edema emphysema/edema folic acid deficiency and, ruminant interstitial tryptophan tryptophan and, 167 392 and, 167 orotic acid excretion and, Pyridoxal phosphate S 149-50 microassay for, 388 vitamin B6 deficiency and, Pyridoxal-5'-phosphate Salicylates 463-64 vitamin K-dependent carbox-Progesterone vlation and, 301-2 319, 324 vitamin D metabolism and. Pyridoxic acid 502 formation of, 461 Prolactin Pyridoxine Salt mammary blood flow and, 60 feline nutrition and, 547BR fluoridated, 121 vitamin D metabolism and, Radiation enteritis 502-3 home parenteral nutrition and, 128-29 Proline Scleroderma feline nutrition and, 537-38 Radioallergosorbent test plasma concentrations of food allergy diagnosis and. of. 244 244-45 leucine loading and, 437 Prostacyclin Radioassay selenium-dependent glufolic acid nutriture assessment and, 394-95 tathione peroxidase and, Seasonality 272 Radioimmunoassay Prostaglandins vitamin B6 nutriture assessdietary fats and, 352-53 ment and, 390 Recombinant plasmids Prostaglandin synthesis Seizures zinc and, 84 cDNA inserts coding for Prostaglandin synthetase prothrombin in. 285 Renal calcium reabsorption Selenium, 257-73 hydrogenated fats and isomeric fatty acids and, home parenteral nutrition and, 347 82 Protein Renal disease feline nutrition and, 533-34 branched-chain amino acids and. 411 xenobiotic metabolism and, 219 Renal failure Protein C, 283 chronic 267-70 Protein M. 283 histidine and, 142-43 Protein malnutrition Respiratory tract infection Selenodiglutathione xerophthalmia and, 197 xerophthalmia and, 198 Protein metabolism Retina and, 262 vitamin A deficiency and. arsenic and, 23 Selenomethionine lactation and, 45-47 184-85 Protein nutrition Retinol Serine maternal, 48-50 histidine toxicity and, 170-71 Protein S, 283 methionine toxicity and, 172-73 Protein supplementation p-Serine Retinol-binding protein milk secretion and, 56-57 Protein synthesis vitamin A and. 197 Sex lactation and, 50-51 Retinol deficiency leucine and, 439 drug metabolism and, 221 phenylalanine levels and, Retroconversion 161-62 isomeric fatty acid. 361 Sickle-cell anemia vitamin K and, 282 Reve's syndrome Protein Z. 283 arginine and, 147-48 Silicon Prothrombin Riboflavin abnormal detection of, 291-93 feline nutrition and, 547 biosynthesis of, 284-93 Riboflavin deficiency Skin testing carboxyglutamic acid in, 282cadmium and, 25 84 drug metabolism and. 220-21

tin and, 33

Provocative subcutaneous testing

hypoprothrombinemia and, Reve's syndrome and, 148 fluoride bioavailability in, gastrointestinal manifestations home parenteral nutrition and, Scromboid poisoning, 243 xerophthalmia and, 195-96 Seborrheic dermatitis zinc deficiency and, 84 magnesium deficiency and, 84 vitamin B6 and, 465 enteric absorption of, 258-60 in foods and feeds, 258 metabolism of, 260-66 nutritional aspects of, 271-73 nutritional essentiality of, 22 parenteral nutrition and, 85 role in glutathione peroxidase. glutathione reductase pathway enteric absorption of, 259 methionine toxicity and, 172nephrotoxicity of, 175-76 xenobiotic metabolism and, xerophthalmia and, 195 vitamin B6 and, 465 biological functions of, 31-33 parenteral nutrition and, 84 food allergy diagnosis and, 244 Smoking

Tetracycline

Theobromine

calcium absorption and, 480

oxidate drug metabolism and,

Theophrastus xenobiotic metabolism and, views on artificial preserva-223-24 Socioeconomic status tives and flavors, 2 xerophthalmia and, 196 Theophylline Sodium oxidate drug metabolism and, feline nutrition and, 544 222 Thiamin South America feline nutrition and, 547 xerophthalmia and, 193 parenteral nutrition and, 86-Sprue xerophthalmia and, 190 87 Thiamin nutriture Starvation plasma branched-chain amino assessment of, 378-82 acid concentrations and, Threonine 434-35 discovery of, 137 xenobiotic metabolism and, feline nutrition and, 542 indispensability of, 138-39 219 Steatorrhea mammary protein synthesis and, 51 blind loop syndrome and, 236 Stellionatus, 3 plasma concentrations of Steroid hydroperoxides leucine loading and, 437 glutathione peroxidase and, Thromboxane selenium-dependent glu-Steroids tathione peroxidase and, for eosinophilic gastroenter-272 itis, 252 Thymine hydroperoxides glutathione peroxidase and, osteoporosis and, 475 268 Thyroid hormone calcium absorption and, 480 Stroke calcium absorption and, 480 prostaglandins and, 352 Thyroxine liver tyrosine aminotransferase Strontium parenteral nutrition and, 83and, 163-64 Ticrynafen Stunting hypoprothrombinemia and, xerophthalmia and, 196 319 Sugar Tin fluoridated, 121 biological functions of, 33-34 Sulfite oxidase Tobacco products molybdenum and, 85 fluoride in, 121-22 Sulphur amino acids Total parenteral nutrition feline nutrition and, 539-41 vitamin K deficiency and, Systemic anaphylaxis 323 Trace elements food allergy and, 241 Systemic lupus erythematosis see Ultratrace elements gastrointestinal manifestations Trauma of. 244 arginine and, 148 Triglycerides in vitro hydrolysis by pan-T creatic lipase, 358 Tryptophan hydroxylase phenylketonuria research and, Taurine feline nutrition and, 540-41 159 parenteral nutrition and, 77 Tryptophan load test vitamin B6 nutriture assess-Tea fluoride bioavailability in, 127 ment and, 390 Testosterone Tryptophan toxicity, 165-67 vitamin D metabolism and, factors affecting, 166-67 502 Tumorigenicity

anti-oxidants and, 222

feline nutrition and, 538-39 plasma concentrations of

leucine loading and, 437

Tyrosine

tissue concentration of factors affecting, 163-64 Tyrosine aminotransferase tyrosine degradation and, 163 Tyrosine apodecarboxylase pyridoxal phosphate microassay and, 388 Tyrosine toxicity, 162-65 cause of, 164-65 Tyrosinemia II, 162-65 animal model for, 165

Ultratrace elements, 21-38 United States Congress food protection laws and, 6 Urea cycle defects arginine and, 148-49 branched-chain amino acids and, 411 USDA see Department of Agriculture

V

antagonism, 440-42 feline nutrition and, 538-39 plasma concentrations of leucine loading and, 437 see also Branched-chain amino acids Vanadium biological functions of, 34-35 parenteral nutrition and, 84 Vascular insufficiency food ingestion and, 244 Vasodilators mammary blood flow and, 60 Vitamin A feline nutrition and, 545 vitamin K antagonism of, 320-21 Vitamin A deficiency parenteral nutrition and, 87-88 see also Xerophthalmia Vitamin B1 see Thiamin Vitamin B6, 455-66 clinical uses of, 465-66 digestion and absorption of, 456-58 excretion of, 462 metabolism and transport of, 458-62 requirements, 463-65

storage of, 462

Vitamin B6 nutriture

assessment of, 387-91, 462-63 Vitamin B12 feline nutrition and, 547 Vitamin C deficiency drug metabolism and, 221 Vitamin D, 493-509 biological action of, 505-9 feline nutrition and, 545-46 metabolism of, 494-98 parenteral nutrition and, 82-83 regulation of, 498-504 parenteral nutrition and, 88 Vitamin D metabolites osteoporosis and, 475, 477 Vitamin E. feline nutrition and, 545 glutathione peroxidase and, 271 parenteral nutrition and, 88 vitamin K antagonism of. 320-21 Vitamin E deficiency selenium and, 257, 271-72 Vitamin K. 281-326 absorption of, 308 discovery of, 282 feline nutrition and, 546 glutamyl carboxylase and, 293-308 metabolism of, 308-9 parenteral nutrition and, 88 requirements in humans, 321sources of, 321-22 Vitamin K antagonists action of, 316-21 Vitamin K deficiency, 322-24 abnormal prothrombin and. 293 Vitamin K epoxidase, 310-11 Vitamin K-2,3-epoxide reductase, 312-14 Vitamin K hydroperoxide glutathione peroxidase and, 268 Vitamin K reductases, 314-16 Vitamin K-vitamin K-2,3epoxide, 309-10 Vitamins

requirements in home
parenteral nutrition, 8688
xenobiotic metabolism and,
220-21
Volvulus
mid-gut
home parenteral nutrition
and, 71

W

Warfarin
anticoagulant activity of. 316–
19
prothrombin and, 288
vitamin K-2.3-epoxide and,
312
vitamin K inhibition and, 319
Warfarin resistance, 310
Water fluoridation
dental caries and, 115–16
fluoride levels in human milk
and, 119
Water requirements
of cate 578–29

of cats, 528-29
Wernicke's encephalopathy
thiamin pyrophosphate effect
and, 379
Wheat gluten
mammary protein synthesis
and, 51
World Health Organization
xerophthalmia classification
of, 189
Worm infestation

xerophthalmia and, 198

zinc deficiency and, 84

Wound healing

x

Xanthine oxidase molybdenum and, 85 Xanthurenic aciduria vitamin B6 and, 465 Xenobiotic metabolism, 207-25 age and sex and, 224 bulk and, 223 B vitamins and, 220-21 carbohydrates and, 219-20

charred foods and, 223-24 cofactors and, 216-17 conjugation and, 213-14 disease and, 224 enzymatic basis of, 208-14 enzyme induction and, 215-16 enzyme inhibition and stimulation and, 217-18 enzyme localization and, 214-15 ethanol and, 223 fasting and starvation and, 219 food additives and, 222 genetics and, 224 hydrolysis and, 213 hypoxia and, 224-25 lipids and, 220 minerals and, 221-22 natural products and, 222-23 oxidation/reduction and, 212-13 oxygenation and, 209-12 phospholipids and, 216 proteins and, 219 smoking and, 223-24 substrates and, 216 vitamins and, 220-21 Xerophthalmia, 183-200 blindness and, 194 conjunctival involvement in, 185-87 corneal involvement in, 187-90 mortality and, 194-95 prevalence and incidence of. 190-93 prevention of, 199-200 retinal involvement in, 184-85 risk factors for, 195-99 worldwide impact of, 193-94 Xerophthalmic fundus, 185

Z

Zinc deficiency in cats, 544 parenteral nutrition and, 84 Zinc metabolism arsenic and, 23 Zinc supplementation histidine-induced hypercholesterolemia and, 170